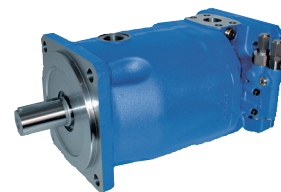
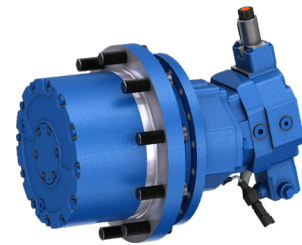
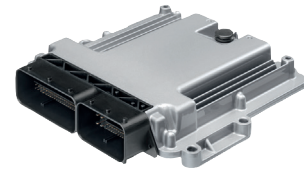


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Product overview Mobile Hydraulics



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Axial piston constant motor
A2FM series 6



- Size 5 ... 200
- Nominal pressure: 350 bar (R65L, 400 bar (R65D-200))
- Peak pressure: 380 bar (R65L, 400 bar (R65D-200))
- Open and closed circuit

Features

- Size in mobile and stationary application ranges
- Axial tapered piston bent axis design
- High power density
- Small dimensions
- High overall efficiency
- Good start-up efficiency

Product description
A2FM is a constant motor with axial tapered piston transmission in bent axis design for hydrostatic drives in the open and closed circuit. With axial piston units in bent axis design, the pistons are arranged diagonally to the drive shaft. The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

More detailed information:
Data sheet 0011

Technical data

Size	5	10	15	20	25	30	35	40	45	50
Displacement	10	20	30	40	50	60	70	80	90	100
Weight	1.2	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5
Max. pressure	350	350	350	350	350	350	350	350	350	350
Max. torque	100	200	300	400	500	600	700	800	900	1000

Axial piston fixed motor
A2FM series 70



- Compact high pressure motor with short installation length
- Size 45 ... 107
- Nominal pressure: up to 400 bar
- Maximum pressure up to 500 bar
- Open and closed circuit

Features

- Pressure ranges to fit to different customer requirements and applications
- Very high power density
- Very high total efficiency
- High starting efficiency
- Robust A2F bent axis technology
- Operation with integrated feeding valve
- Bent axis design

Product description
A2FM is a constant motor with axial tapered piston transmission in bent axis design for hydrostatic drives in the open and closed circuit. With axial piston units in bent axis design, the pistons are arranged diagonally to the drive shaft. The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

More detailed information:
Data sheet 0011

Technical data

Size	45	50	55	60	65	70	75	80	85	90	95	100	105	110
Displacement	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Weight	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1
Max. pressure	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Max. torque	100	150	200	250	300	350	400	450	500	550	600	650	700	750

For order details regarding the Rexroth products, see page 15.
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2 View product data

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Fixed motors

Axial piston fixed motors convert hydrostatic energy into mechanical energy. The output torque increases with the pressure difference between the high and low pressure. The output torque is proportional to the inlet flow and inversely proportional to the displacement of the hydraulic motor.

Find more product types

More Information

> Data sheets fixed motors

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Product (axial piston unit) —

A2FM 10

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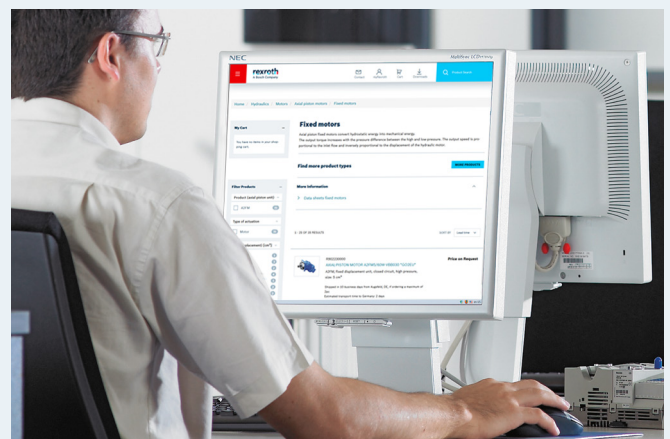
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For ordering the product, just contact Rexroth or your distribution partner; you can also order them online via the Rexroth Store: <https://store.boschrexroth.com>

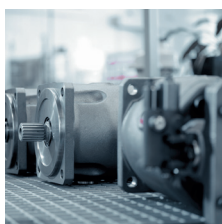
Notice:

The axial piston pumps marked with  cannot be ordered via Rexroth Store at present.

3. Order product



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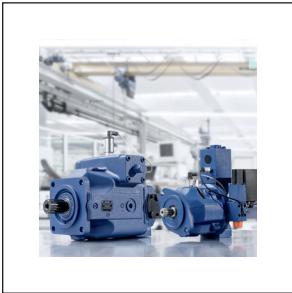


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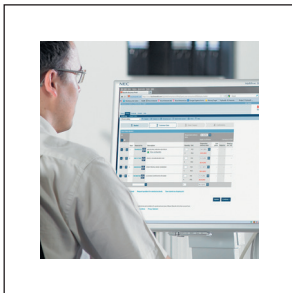
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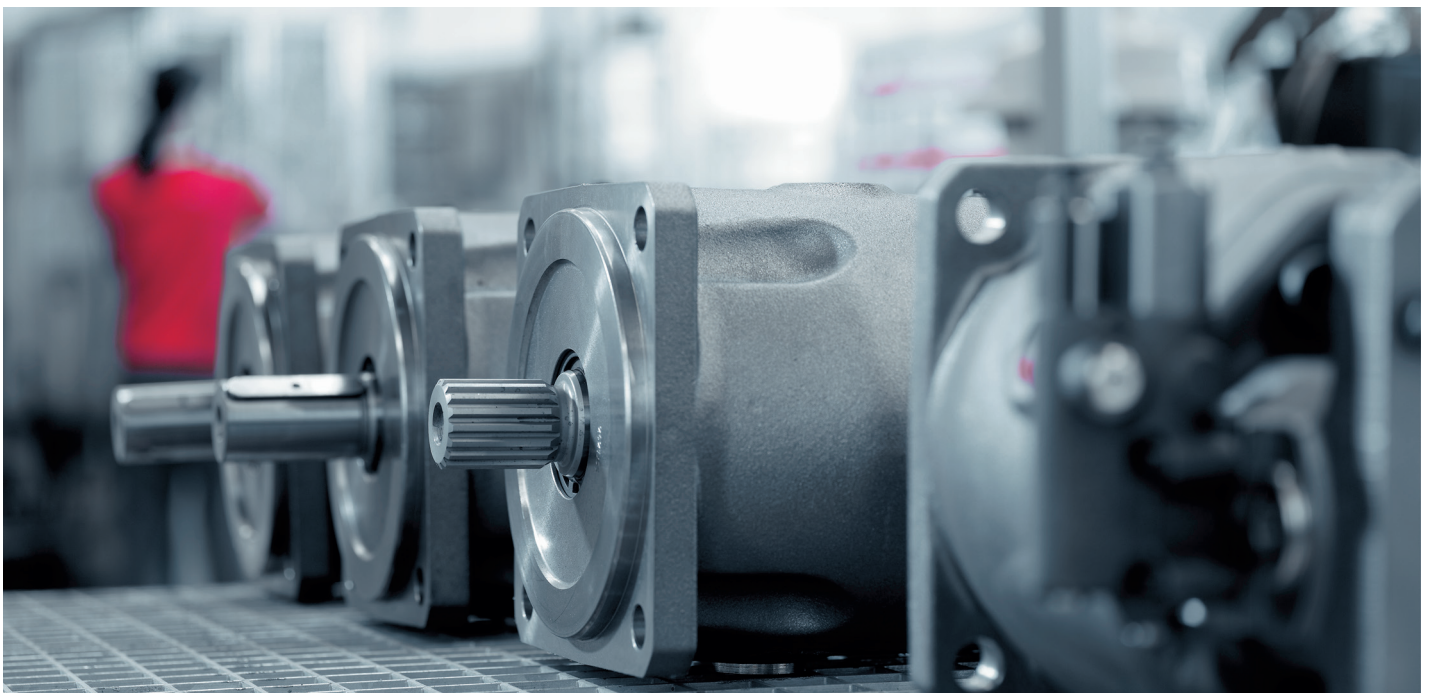
Pumps

Axial piston pumps

Axial piston pumps in swash plate and bent axis design are intended for the medium and high pressure range. Numerous variations in the designs, performance ranges, and adjustment options offer ideal solutions for mobile and stationary applications.

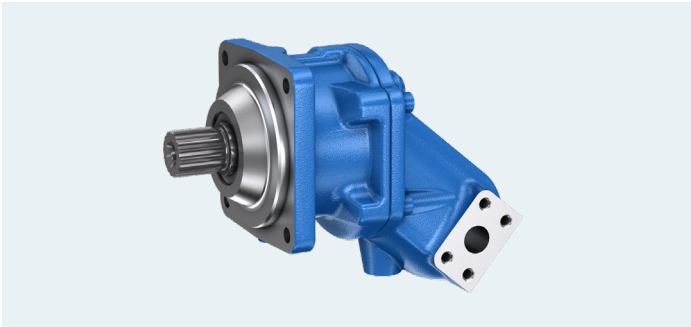
External gear pumps

External gear pumps are cost-effective displacement pumps. They are available in many different versions. A selected program of single and multiple pumps is available within 10 working days.



Axial piston fixed pump

A2FO series 70



Features

- ▶ All-purpose high pressure pump
- ▶ Very high total efficiency
- ▶ Robust pump with long service life
- ▶ High power density
- ▶ Compact dimensions
- ▶ Very high total efficiency
- ▶ Robust 40° bent-axis technology

- ▶ Compact high-pressure pump with short installation length
- ▶ Size 45 ... 125
- ▶ Nominal pressure 400 bar
- ▶ Peak pressure 450 bar
- ▶ Open circuit

Product description

A2FO is a displacement pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement.

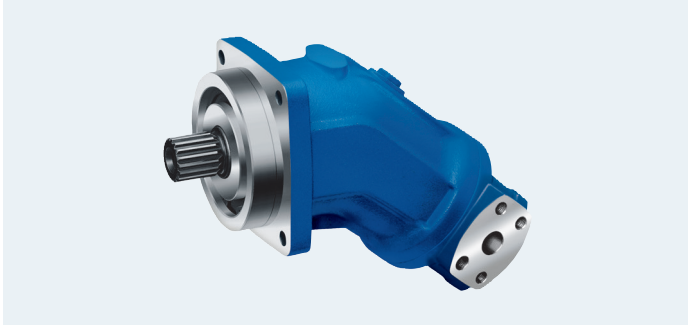
More detailed information:
Data sheet 91405

Technical data

Size	NG		45	56	63	80	90	107	125
Displacement	V_g	cm ³	44.9	56.6	63.0	79.8	90.5	106.7	125.0
Speed	n_{nom}	min ⁻¹	2240	2000	2000	1800	1800	1600	1600
Flow at n_{nom}	q_v	l/min	101	113	126	144	163	171	200
Torque	$\Delta p = 400 \text{ bar}$	M	Nm	286	360	401	508	576	796

Axial piston fixed pump

A2FO series 6x



- ▶ All-purpose high pressure pump
- ▶ Size 10 ... 200
- ▶ Nominal pressure 400 bar
- ▶ Peak pressure 450 bar
- ▶ Open circuit

Features

- ▶ Robust pump with long service life
- ▶ Very high total efficiency
- ▶ High power density
- ▶ Large variety of available nominal sizes allows exact adjustment to the application
- ▶ Bent-axis design

Product description

A2FO is a displacement pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement.

More detailed information:

Data sheet 91401

Technical data

Size	NG		10	12	16	28	32	45	56	63
Displacement	V_g	cm ³	10.3	12	16	28.1	32	45.6	56.1	63
Speed	n_{nom}	min ⁻¹	3150	3150	3150	2500	2500	2240	2000	2000
Flow at n_{nom}	q_v	l/min	32	38	50	70	80	102	112	126
Torque $\Delta p = 400$ bar	M	Nm	66	76	102	179	204	290	357	401
Size	NG		80	90	107	125	160	180	200	
Displacement	V_g	cm ³	80.4	90	106.7	125	160.4	180	200	
Speed	n_{nom}	min ⁻¹	1800	1800	1600	1600	1450	1450	1550	
Flow at n_{nom}	q_v	l/min	145	162	171	200	233	261	310	
Torque $\Delta p = 400$ bar	M	Nm	512	573	679	796	1021	1146	1273	

Axial piston fixed pump

A17FO series 10



Features

- ▶ Flange and shaft designed for direct mounting on the power take-off of commercial vehicles
- ▶ Optimized weight by cast aluminum housing
- ▶ No drain line required
- ▶ Low operating noise
- ▶ Simple adjustment of rotational direction
- ▶ Excellent suction characteristics
- ▶ Bent-axis design

- ▶ High pressure pump for applications in commercial vehicles
- ▶ Size 23 ... 107
- ▶ Nominal pressure 350 bar
- ▶ Peak pressure 400 bar
- ▶ Open circuit

Product description

A17FO is a displacement pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The pump has been especially designed for use in commercial vehicles, e.g. street tippers, dump trucks, HGV loading cranes, tankers, municipal vehicles. The flow is proportional to the drive speed and the displacement.

More detailed information:
Data sheet 91520

Technical data

Size	NG		23	32	45	63	80	107
Displacement	V_g	cm ³	22.9	32	45.6	63	80.4	106.7
Speed	n_{nom}	min ⁻¹	3050	2750	2650	2200	2150	2000
Flow at n_{nom}	q_v	l/min	70	88	121	139	173	213
Torque $\Delta p = 300 \text{ bar}$	M	Nm	109	153	218	301	384	509

Axial piston fixed pump

A17FNO series 10



- Designed for application in commercial vehicles with standard-pressure requirements
- Size 125
- Nominal pressure 250 bar
- Peak pressure 300 bar
- Open circuit

Features

- Flange and shaft designed for direct mounting on the power take-off of commercial vehicles
- Optimized weight by cast aluminum housing
- No drain line required
- Low operating noise
- Simple adjustment of rotational direction
- Excellent suction characteristics
- Bent-axis design

Product description

A17FNO is a displacement pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The pump has been especially designed for use in commercial vehicles, e.g. street tippers, dump trucks, HGV loading cranes, tankers, municipal vehicles. The flow is proportional to the drive speed and the displacement.

More detailed information:

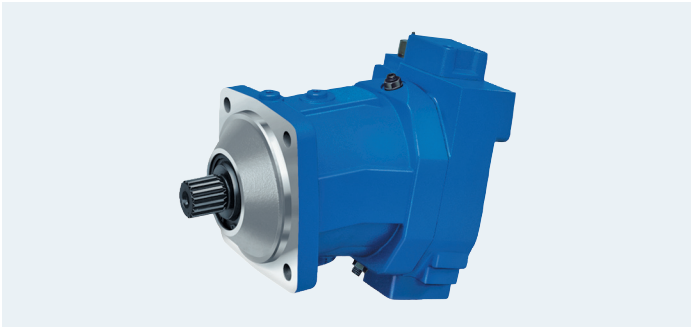
Data sheet 91510

Technical data

Size	NG		125
Displacement	V_g	cm ³	125
Speed	n_{nom}	min ⁻¹	1750
Flow at n_{nom}	q_v	l/min	219
Torque $\Delta p = 250$ bar	M	Nm	497

Axial piston variable pump

A7VO series 63



- ▶ Robust high pressure pump for universal use
- ▶ Size 28 ... 160
- ▶ Nominal pressure 350 bar
- ▶ Maximum pressure 400 bar
- ▶ Open circuit

Features

- ▶ Robust pump with long service life
- ▶ Hyperbolic power controller
- ▶ Large variety of controls
- ▶ Well-trying rotary group technology
- ▶ High total efficiency
- ▶ Bent-axis design

Product description

A7VO is a variable pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the bent axis, the flow can be steplessly changed.

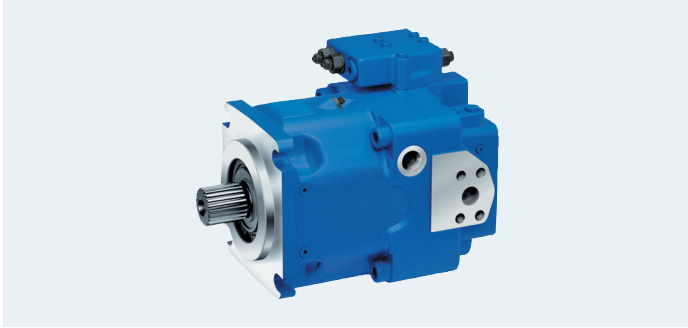
More detailed information:
Data sheet 92202

Technical data

Size	NG		28	55	80	107	160
Displacement	$V_{g \max}$	cm ³	28.1	54.8	80	107	160
Speed	n_{nom}	min ⁻¹	3150	2500	2240	2150	1900
Flow at n_{nom}	q_v	l/min	89	137	179	230	304
Torque $\Delta p = 350 \text{ bar}$	M	Nm	156	305	446	596	891

Axial piston variable pump

A11VO series 1x



- ▶ All-purpose high pressure pump with through drive
- ▶ Size 40 ... 95
- ▶ Nominal pressure 350 bar
- ▶ Maximum pressure 400 bar
- ▶ Open circuit

Features

- ▶ Through drive for mounting of further pumps up to same nominal size
- ▶ Large variety of controls
- ▶ Swashplate design

Product description

A11VO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:

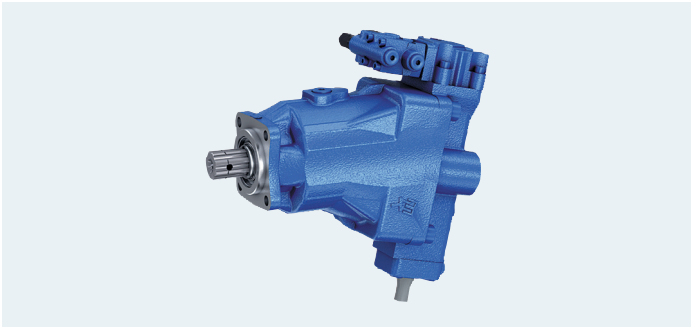
Data sheet 92500

Technical data

Size	NG		40	60	75	95
Displacement	$V_{g \max}$	cm ³	42	58.5	74	93.5
Speed	n_{nom}	min ⁻¹	3000	2700	2550	2350
Flow at n_{nom}	q_v	l/min	126	158	189	220
Torque $\Delta p = 350 \text{ bar}$	M	Nm	234	326	412	521

Axial piston variable pump

A18VO series 11



Features

- ▶ Flange and shaft designed for direct mounting on the power take-off of commercial vehicles
- ▶ Optimized weight by cast aluminum housing
- ▶ High total efficiency
- ▶ Low operating noise
- ▶ Optional increased service life through use of long-life bearings (A18VLO)
- ▶ Bent-axis design

- ▶ High pressure pump for applications in commercial vehicles
- ▶ Sizes 55 ... 107
- ▶ Nominal pressure 350 bar
- ▶ Maximum pressure 400 bar
- ▶ Open circuit

Product description

A18VO is a variable pump with axial tapered piston rotary group in bent axis design for hydrostatic drives in the open circuit. The pump has been especially designed for demanding applications and comfortable controls in working equipment in commercial vehicles, e.g. large HGV loading cranes and superstructures. The flow is proportional to the drive speed and the displacement. By adjusting the bent axis, the flow can be steplessly changed.

More detailed information:
Data sheet 92270

Technical data

Size	NG		55	80	107
Displacement	$V_{g \max}$	cm ³	54.8	80	107
Speed	n_{nom}	min ⁻¹	2500	2240	2150
Flow at n_{nom}	q_v	l/min	137	179	230
Torque $\Delta p = 350 \text{ bar}$	M	Nm	305	446	596

Axial piston variable pump

A1VO series 10



- For load-sensing systems in smaller working machines
- Size 28 ... 35
- Nominal pressure 250 bar
- Maximum pressure 280 bar
- Open circuit

Features

- Significant fuel savings of up to 15% compared to constant systems
- Optimized efficiency, though same power at less fuel consumption
- Increased service life compared to gear pumps
- Compact design by integrated controller
- A wide range of highly adaptable control devices for all important applications
- Stepless flow variation by adjusting the swashplate angle.

Product description

A1VO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:

Data sheet 92650

Technical data

Size	NG		28	35
Displacement	$V_{g \max}$	cm ³	28	35
Speed	n_{nom}	min ⁻¹	3200	3000
Flow at n_{nom}	q_v	l/min	89	105
Torque $\Delta p = 250 \text{ bar}$	M	Nm	111	139

Axial piston variable pump

A10VO series 52



- For machines with medium pressure requirements
- Sizes 28 ... 45
- Nominal pressure 250 bar
- Maximum pressure 315 bar
- Open circuit

Features

- Through drive for mounting of further pumps up to same nominal size
- Approved for high speeds
- Low operating noise
- Short control response times
- Large variety of controls
- Swash plate design

Product description

A10VO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:
Data sheet 92703

Technical data

Size	NG		28	45
Displacement	$V_{g \max}$	cm ³	28	45
Speed	n_{nom}	min ⁻¹	3000	2600
Flow at n_{nom}	q_v	l/min	84	117
Torque $\Delta p = 250 \text{ bar}$	M	Nm	111	179

Axial piston variable pump A4VSO series 10 and 3x



- ▶ Robust high pressure pump for industrial applications
- ▶ Size 40 ... 500
- ▶ Nominal pressure 350 bar
- ▶ Maximum pressure 400 bar
- ▶ Open circuit

Merkmale

- ▶ Robust pump with very long service life
- ▶ Low operating noise
- ▶ Short control response times
- ▶ Excellent suction characteristics
- ▶ Through drive for mounting of further pumps up to same nominal size
- ▶ Swashplate design

Produktbeschreibung

A4VSO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:

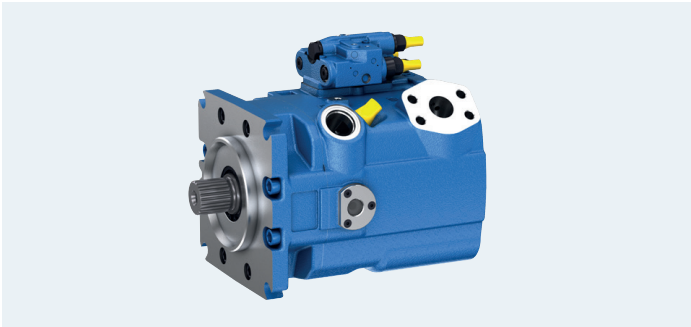
Data sheet 92050

Technical data

Size	NG		40	71	125	180	190	250	260	355	370	500
Displacement	$V_{g \max}$	cm ³	40	71	125	180	190	250	260	355	370	500
Speed	n_{nom}	min ⁻¹	2600	2200	1800	1800	1800	1500	1500	1500	1500	1320
Flow at n_{nom}	q_v	l/min	104	156	225	324	342	375	390	533	555	660
Torque $\Delta p = 350 \text{ bar}$	M	Nm	223	395	696	1002	1057	1391	1446	1976	2059	2783

Axial piston variable pump

A15VSO, A15VLO series 12



- ▶ Robust high-pressure pump for industrial applications
- ▶ Size 110 ... 280
- ▶ Nominal pressure 350 bar
- ▶ Maximum pressure 420 bar
- ▶ Open circuit

Features

- ▶ Designed for the use in industrial applications
- ▶ Optional with charge pump
- ▶ Through drive for mounting of further pumps up to same nominal size
- ▶ Optional mooring function (over-center operation, motor operation)
- ▶ A wide range of highly adaptable control devices for stationary applications
- ▶ Swashplate design

Product description

A15VSO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

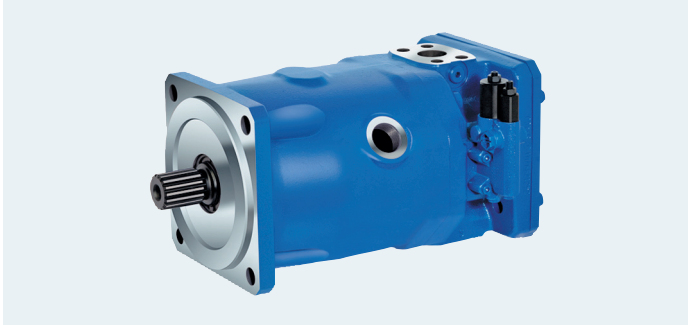
More detailed information:
Data sheet 92802

Technical data

Size	NG		110	145	175	210	280
Displacement	$V_{g \max}$	cm ³	110	145	175	210	280
Speed	n_{nom}	min ⁻¹	2400	2300	2150	2100	1800
Flow at n_{nom}	q_v	l/min	264	334	376	441	504
Torque $\Delta p = 350 \text{ bar}$	M	Nm	613	808	975	1170	1560

Axial piston variable pump

A10VSO series 32



- ▶ Optimized medium pressure pump for high power machines
- ▶ Size 45 ... 140
- ▶ Nominal pressure 280 bar
- ▶ Maximum pressure 350 bar
- ▶ Open circuit

Features

- ▶ Through drive for mounting of further pumps up to same nominal size
- ▶ Approved for high speeds
- ▶ Increased functional reliability
- ▶ Hydrostatically relieved swashplate bearing
- ▶ Large variety of controls
- ▶ Low operating noise
- ▶ Swashplate design

Product description

A10VSO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:

Data sheet 92714

Technical data

Size	NG		45	71	100	140
Displacement	$V_{g \max}$	cm ³	45	71	100	140
Speed	n_{nom}	min ⁻¹	1800	1800	1800	1800
Flow at n_{nom}	q_v	l/min	81	128	180	252
Torque $\Delta p = 280 \text{ bar}$	M	Nm	200	317	446	624

Axial piston variable pump

A10VSO series 31



- ▶ All-purpose medium pressure pump
- ▶ Size 18 ... 100
- ▶ Nominal pressure 280 bar
- ▶ Maximum pressure 350 bar
- ▶ Open circuit

Features

- ▶ Through drive for mounting of further pumps up to same nominal size
- ▶ Low operating noise
- ▶ Long service life
- ▶ Short control response times
- ▶ Excellent suction characteristics
- ▶ 2 drain ports
- ▶ Swashplate design

Product description

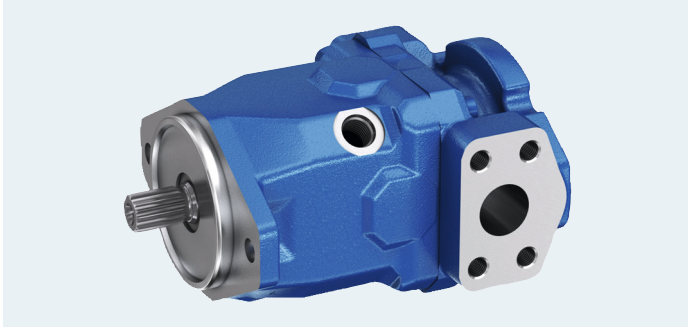
A10VSO is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the open circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

More detailed information:
Data sheet 92711

Technical data

Size	NG		18	28	45	71	100
Displacement	$V_{g\ max}$	cm ³	18	28	45	71	100
Speed	n_{nom}	min ⁻¹	3300	3000	2600	2200	2000
Flow at n_{nom}	q_v	l/min	59	84	117	156	200
Torque $\Delta p = 280\ bar$	M	Nm	80	125	200	316	445

Axial piston fixed pump A10FZO, A10FZG



- Suitable for variable-speed operation with synchronous and asynchronous motors
- Sizes 10 ... 63
- Nominal pressure 315 bar
- Maximum pressure 350 bar
- Open circuit (A10FZO)
closed circuit (A10FZG)

Features

- For use in single- and double-quadrant operation (A10FZO)
- For the use in four-quadrant operations (A10FZG)
- Suitable for start/stop operations
- Suitable for long pressure retention operation
- Well-trying A10 rotary group technology
- Through drive possibility

Product description

The reliable axial piston units of the A10 product family have been further developed for the use in speed-controlled drives. They have been approved for start/stop operations and designed for a changing direction of rotation. The A10 units can be used as pumps and motors in single-, double- or four-quadrant operations.

More detailed information:

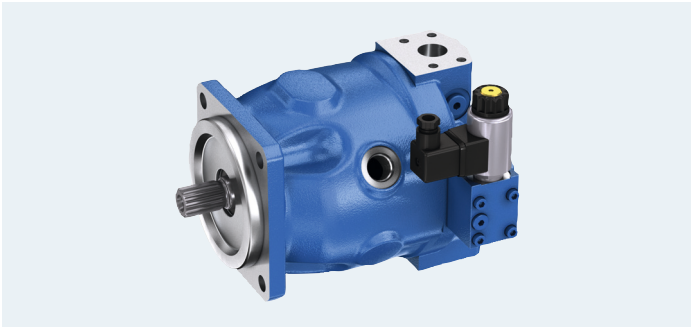
Data sheet 91485

Technical data

Size A10FZO	NG		10	18	28	45	63
Displacement	V_g	cm ³	10,6	18	28	45	63
Speed	n_{nom}	min ⁻¹	3600	3300	3000	3000	2600
Flow at n_{nom}	q_v	l/min	38	59	84	135	164
Torque $\Delta p = 315 \text{ bar}$	M	Nm	53	90	140	226	316
Size A10FZG	NG		10	18	28		
Displacement	V_g	cm ³	10.6	18	28		
Speed	n_{nom}	min ⁻¹	3600	3300	3000		
Flow at n_{nom}	q_v	l/min	38	59	84		
Torque $\Delta p = 315 \text{ bar}$	T	Nm	53	90	140		

Axial piston variable pump

A10VZO



- Suitable for variable-speed operation with synchronous and asynchronous motors
- Size 3 ... 140
- Nominal pressure 250/280/315 bar
- Maximum pressure 315/350 bar
- Open circuit

Features

- For use in single- and double-quadrant operation
- Suitable for start/stop operation
- Suitable for long pressure retention operation
- Well-ried A10 rotary group technology
- Through drive possibility
- Swashplate design

Product description

The reliable axial piston units of the A10 product family have been further developed for the use in speed-controlled drives. They have been approved for start/stop operations and designed for a changing direction of rotation. The A10 units can be used as pumps and motors in single- and double-quadrant operations.

More detailed information:
Data sheet 91485

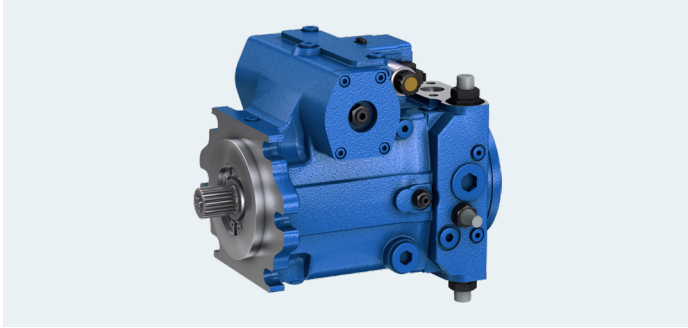
Technical data

Size		NG		3	6	8	10	18	28	45	71	100	140
Displacement		$V_{g \max}$	cm ³	3,5	6	6	10,5	18	28	45	71.1	100	140
Speed		n_{nom}	min ⁻¹	3600	3600	3600	3600	3300	3000	3000	2550	2300	2200
Flow bei n_{nom}		q_v	l/min	12,6	21,6	28,8	38	59	84	135	181	230	308
Torque	$\Delta p = 250 \text{ bar}$	M	Nm	14	24	32	42	–	–	–	–	–	–
	$\Delta p = 280 \text{ bar}$	M	Nm	–	–	–	–	–	–	–	317	445	623
	$\Delta p = 315 \text{ bar}$	M	Nm	–	–	–	–	90	140	225	–	–	–

1)

Axial piston variable pump

A4VG series 32



- ▶ High-pressure pump for applications in closed circuits
- ▶ Size 71 ... 125
- ▶ Nominal pressure 400 bar
- ▶ Maximum pressure 450 bar
- ▶ Closed circuit

Features

- ▶ Integrated auxiliary pump for boost and pilot oil supply
- ▶ Flow direction changes when the swashplate is moved through the neutral position
- ▶ High-pressure relief valves with integrated boost function
- ▶ With adjustable pressure cut-off as standard
- ▶ Boost-pressure relief valve
- ▶ Through drive for mounting of further pumps up to same size
- ▶ Large variety of controls
- ▶ Swashplate design

Product description

A4VG is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the closed circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

Moving the swashplate across the neutral position will change the direction of flow (making reversing operation possible).

More detailed information:

Data sheet 92003

Technical data

Size	NG		71	90	125
Displacement	$V_{g \max}$	cm ³	71	90	125
Rotational speed	n_{nom}	min ⁻¹	3300	3050	2850
Flow at n_{nom}	q_v	l/min	234	275	356
Torque $\Delta p = 400 \text{ bar}$	M	Nm	452	573	796

Axial piston variable pump

A4VG series 40



- ▶ High-pressure pump for applications in closed circuits up to 500 bar
- ▶ Size 175 ... 280
- ▶ Nominal pressure 450 bar
- ▶ Maximum pressure 500 bar
- ▶ Closed circuit

Features

- ▶ High power density owing to a very high pressure level
- ▶ Integrated auxiliary pump for boost and pilot oil supply
- ▶ High-pressure relief valves with integrated boost function
- ▶ With adjustable pressure cut-off as standard
- ▶ Boost-pressure relief valve
- ▶ Through drive for mounting of further pumps up to same size
- ▶ High total efficiency
- ▶ Large variety of controls
- ▶ Swashplate design

Product description

A4VG is a variable pump with axial piston rotary group in swash plate design for hydrostatic drives in the closed circuit. The flow is proportional to the drive speed and the displacement. By adjusting the swash plate, the flow can be steplessly changed.

Moving the swashplate across the neutral position will change the direction of flow (making reversing operation possible).

More detailed information:

Data sheet 92004

Technical data

Size – standard	NG		175	210	280
Displacement	$V_{g \max}$	cm ³	175,4	210,6	280,3
Rotational speed	n_{nom}	min ⁻¹	2650	2500	2400
Flow at n_{nom}	q_v	l/min	465	527	673
Torque $\Delta p = 430 \text{ bar}$	M	Nm	1200	1441	1918

Size – High-speed	NG		175
Displacement	$V_{g \max}$	cm ³	175,4
Rotational speed	n_{nom}	min ⁻¹	3000
Flow at bei n_{nom}	q_v	l/min	526
Torque $\Delta p = 430 \text{ bar}$	M	Nm	1200

High performance external gear pump

AZPB



- ▶ Platform B
- ▶ Fixed displacement
- ▶ Size 1.0 ... 7.1
- ▶ Continuous pressure up to 220 bar
- ▶ Intermittent pressure up to 250 bar

Features

- ▶ Consistent high quality based on large-volume production
- ▶ Long service life
- ▶ Slide bearings for high loads
- ▶ Drive shafts corresponding to ISO or SAE and customer-specific solutions
- ▶ Line ports: connection flange or screw thread
- ▶ Combinations of several pumps possible

Product description

External gear pumps basically consist of one gear wheel pair and the housing with one front and one rear cover. The drive shaft drives one of the two gear wheels which again drives the second gear wheel in the opposite direction. Due to the rotation, hydraulic fluid is entrapped in the gear chambers and delivered along the housing from the suction port to the pressure port. The flow per rotation roughly corresponds to the total of the gear chamber volumes of the two gears.

More detailed information:

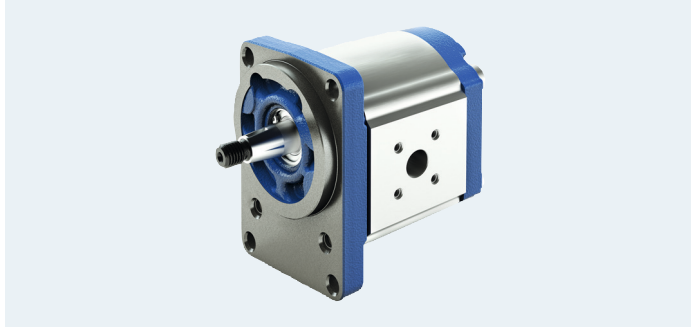
Data sheet 10088

Technical Data

Size – series 3X	NG		1.0	2.0	2.5	3.0	4.0	4.5	5.0	6.3	7.1
Displacement	V_g	cm ³	1	2	2.5	3.15	4	4.5	5	6.3	7.1
Maximum continuous pressure	p_1	bar	220	220	220	220	220	220	220	220	200
Maximum intermittent pressure	p_2	bar	250	250	250	250	250	250	250	250	230
Speed at p_2	n_{min}	min ⁻¹	750	750	750	750	750	750	750	750	750
	n_{max}	min ⁻¹	6000	5000	5000	4000	4000	4000	4000	3500	3500

High performance external gear pump

AZPF



- ▶ Platform F
- ▶ Fixed displacement
- ▶ Size 4 ... 28
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Consistent high quality based on large-volume production
- ▶ Long service life
- ▶ Slide bearings for high loads
- ▶ Drive shafts according to ISO or SAE and customer-specific solutions
- ▶ Line ports: connection flange or screw thread
- ▶ Combinations of several pumps possible

Product description

External gear pumps basically consist of one gear wheel pair and the housing with one front and one rear cover. The drive shaft drives one of the two gear wheels which again drives the second gear wheel in the opposite direction. Due to the rotation, hydraulic fluid is entrapped in the gear chambers and delivered along the housing from the suction port to the pressure port. The flow per rotation roughly corresponds to the total of the gear chamber volumes of the two gears.

More detailed information:

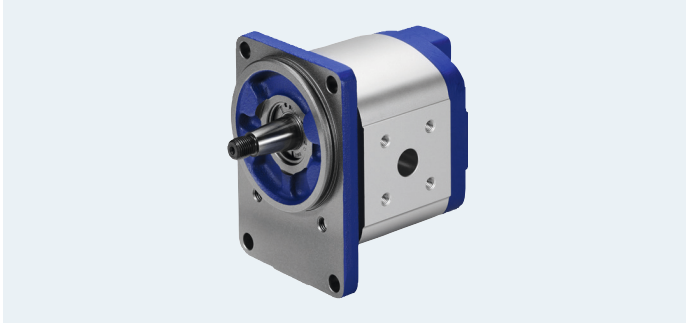
Data sheet 10089

Technical Data

Size – series 1X	NG		4	5	8	11	14	16	19	22	22 ¹⁾	
Displacement	V _g	cm ³	4	5.5	8	11	14	16	19	22.5	22.5	
Maximum continuous pressure	p ₁	bar	250	250	250	250	250	250	210	180	210	
Maximum intermittent pressure	p ₂	bar	280	280	280	280	280	280	230	210	230	
Speed at p ₂	n _{min}	min ⁻¹	700	700	700	600	500	500	500	500	500	
	n _{max}	min ⁻¹	4000	4000	4000	3500	3000	3000	3000	2500	3000	
Size – series 2X	NG		4	5	8	11	14	16	19	22	25	28
Displacement	V _g	cm ³	4	5.5	8	11	14	16	19	22.5	25	28
Maximum continuous pressure	p ₁	bar	250	250	250	250	250	250	250	220	195	170
Maximum intermittent pressure	p ₂	bar	280	280	280	280	280	280	280	250	225	200
Speed at p ₂	n _{min}	min ⁻¹	700	700	700	600	500	500	500	500	500	500
	n _{max}	min ⁻¹	4000	4000	4000	3500	3000	3000	3500	3500	3000	3000

¹⁾ Version with extended bearings

High performance external gear pump AZPN



- ▶ Platform N
- ▶ Fixed displacement
- ▶ Size 20 ... 36
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Continuously high quality due to large series production
- ▶ Long life cycle
- ▶ Plain bearings for high loads
- ▶ Drive shafts according to ISO or SAE and customer-specific solutions
- ▶ Line connections: Connection flanges or screw-in threads
- ▶ Combinations of several pumps possible

Product description

External gear pumps basically consist of one gear wheel pair and the housing with one front and one rear cover. The drive shaft drives one of the two gear wheels which again drives the second gear wheel in the opposite direction. Due to the rotation, hydraulic fluid is entrapped in the gear chambers and delivered along the housing from the suction port to the pressure port. The flow per rotation roughly corresponds to the total of the gear chamber volumes of the two gears.

More detailed information:

Data sheet 10091

Technical Data

Size – series 1X	NG		20	22	25	28	32	36
Displacement	V_g	cm ³	20	22.5	25	28	32	36
Maximum continuous pressure	p_1	bar	230	230	230	210	180	160
Maximum intermittent pressure	p_2	bar	250	250	250	230	200	180
Speed at p_2	n_{min}	min ⁻¹	500	500	500	500	500	500
	n_{max}	min ⁻¹	3000	3000	3000	2800	2800	2800
Size – series 2X	NG		20	22	25	28	32	36
Displacement	V_g	cm ³	20	22.5	25	28	32	36
Maximum continuous pressure	p_1	bar	250	250	250	230	210	180
Maximum intermittent pressure	p_2	bar	280	280	280	260	240	210
Speed at p_2	n_{min}	min ⁻¹	500	500	500	500	500	500
	n_{max}	min ⁻¹	3000	3000	3000	2800	2800	2800

High performance external gear pump

AZPG



- ▶ Platform G
- ▶ Fixed displacement
- ▶ Size 22 ... 100
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Continuously high quality due to large series production
- ▶ Long life cycle
- ▶ Plain bearings for high loads
- ▶ Drive shafts according to ISO or SAE and customer-specific solutions
- ▶ Line ports: connection flange or screw thread
- ▶ Combinations of several pumps possible

Product description

External gear pumps basically consist of one gear wheel pair and the housing with one front and one rear cover. The drive shaft drives one of the two gear wheels which again drives the second gear wheel in the opposite direction. Due to the rotation, hydraulic fluid is entrapped in the gear chambers and delivered along the housing from the suction port to the pressure port. The flow per rotation roughly corresponds to the total of the gear chamber volumes of the two gears.

More detailed information:

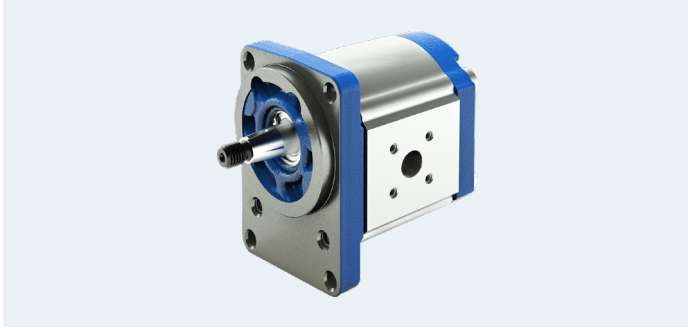
Data sheet 10093

Technical Data

Size	NG		22	25	28	32	36	40	45
Displacement	V_g	cm ³	22.5	25	28	32	36	40	45
Maximum continuous pressure	p_1	bar	250	250	250	250	250	250	250
Maximum intermittent pressure	p_2	bar	280	280	280	280	280	280	280
Speed at p_2	n_{min}	min ⁻¹	600	600	500	500	500	500	500
	n_{max}	min ⁻¹	3000	3000	3000	2800	2800	2800	2600

Size	NG		50	56	63	70	80	100	
Displacement	V_g	cm ³	50	56	63	70	80	100	
Maximum continuous pressure	p_1	bar	220	195	170	120	90	70	
Maximum intermittent pressure	p_2	bar	250	225	200	150	120	100	
Speed at p_2	n_{min}	min ⁻¹	500	500	500	500	600	800	
	n_{max}	min ⁻¹	2600	2300	2300	2200	2000	1700	

External gear pump SILENCE PLUS AZPJ



- ▶ Plattform F
- ▶ Low noise fixed pump
- ▶ Size 12 ... 28
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Optimized pressure pulsation, reduces noise emissions and oscillations in the system
- ▶ Pleasant pitch due to low frequency
- ▶ Consistent high quality based on large-volume production
- ▶ Long service life
- ▶ Slide bearings for high loads
- ▶ Drive shafts according to ISO or SAE and customer-specific solutions

Product description

External gear pumps basically consist of one gear wheel pair and the housing with one front and one rear cover. The drive shaft drives one of the two gear wheels which again drives the second gear wheel in the opposite direction. Due to the rotation, hydraulic fluid is entrapped in the gear chambers and delivered along the housing from the suction port to the pressure port. The flow per rotation roughly corresponds to the total of the gear chamber volumes of the two gears. With extremely low-noise SILENCE PLUS pumps, the intrinsic noise is reduced by 15 dB (A) on average as compared with standard external gear pumps and the flow pulsation is also decreased by 75%.

More detailed information:

Data sheet 10094

Technical Data

Sizes – series 2x	NG		12	14	16	19	22	25	28
Displacement	V_g	cm ³	12	14	16	19	22,5	25	28
Maximum continuous pressure	p_1	bar	250	250	250	250	210	185	130
Maximum intermittent pressure	p_2	bar	280	280	280	280	240	215	160
Rotational speed at p_2	n_{min}	min ⁻¹	600	500	500	500	500	500	500
	n_{max}	min ⁻¹	3500	3000	3000	3000	3000	2800	2600

Accessories

Hydraulic reservoir TMP



Features

- ▶ Power supply for one pump and optional second pump
- ▶ 6 liters filling volume for up to 90 l/min throughput
- ▶ Robust design for mobile applications with rotary drives
- ▶ Light weight
- ▶ Compact dimensions
- ▶ Reservoir cap with air bleed
- ▶ Oil level gauge
- ▶ Integrated return line filter

equipped as necessary with electrical level monitoring.

- ▶ Hydraulic reservoir for rotary drives
- ▶ Polymer Version
- ▶ Total volume 8 liters
- ▶ Flow rate up to 90 l/min

Product description

The robust hydraulic reservoirs are designed for rotary drives in open circuits with no or very low differential volumes. Polymer and steel versions are available. Light weight and compact dimensions mean that Rexroth hydraulic reservoirs are optimally adapted to requirements of hydraulics for rotary drives. The hydraulic reservoir allows the optional supply of a second pump. An automatic air bleed is integrated into the reservoir cap. The hydraulic reservoirs are fitted as standard with a visual oil level indicator. The polymer reservoir can also be

More detailed information:
Data sheet 95721

Technical Data

Hydraulic reservoir		TMP
Material		Polymer, PA66GF25 (UV-stabilized)
Weight (empty)	kg	1,6
Maximum flow rate	l/min	90
Total volume	l	8
Filling volume	l	6
Reservoir air bleed		fitted
Pressure, maximum permissible		
Port B (return line)	bar (absolute)	2,0
Port L (drain line)	bar (absolute)	2,0
Temperature range	°C	-30 ... 90
Maximum operating temperature, short-term < 3 min	°C	120

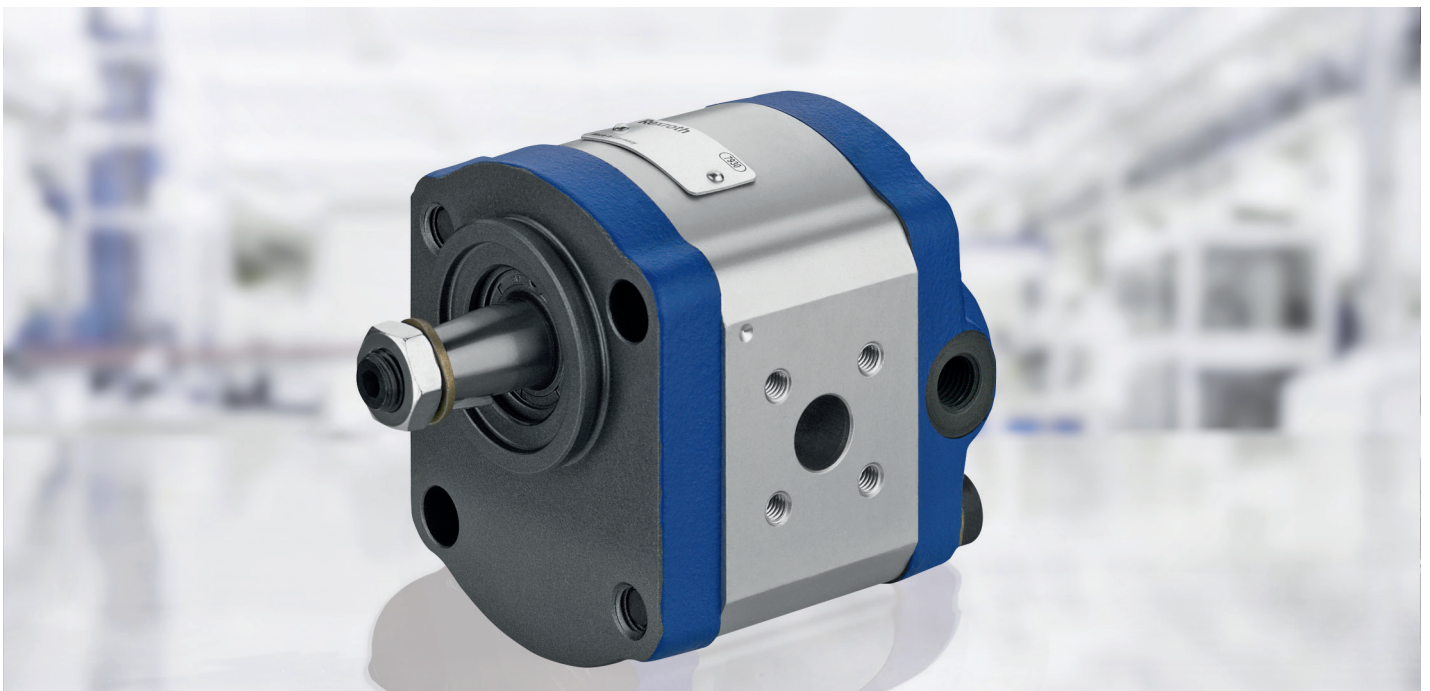
Motors

Axial piston motors

Axial piston motors are available in swash plate or bent axis design for medium and high pressure applications. Our hydrostatic drives for mobile and stationary application ranges stand out due to their robustness, reliability, long life cycles, low noise emissions and high efficiencies as well as high cost-effectiveness.

External gear motors

External gear motors are a cost-effective alternative for rotary drives up to approximately 50 kW. The motors are available for one direction of rotation or reversible, for 2- and 4-quadrant operation.



Axial piston fixed motor

A2FM series 70



Features

- ▶ 3 pressure ranges to fit to different customer requirements and applications
- ▶ Very high power density
- ▶ Very high total efficiency
- ▶ High starting efficiency
- ▶ Robust 40° bent-axis technology
- ▶ Optional with integrated flushing valve
- ▶ Bent-axis design

- ▶ Compact high pressure motor with short installation length
- ▶ Size 23 ... 125
- ▶ Nominal pressure up to 400 bar
- ▶ Maximum pressure up 450 bar
- ▶ Open and closed circuit

Product description

A2FM is a constant motor with axial tapered piston transmission in bent axis design for hydrostatic drives in the open and closed circuit. With axial piston units in bent axis design, the pistons are arranged diagonally to the drive shaft. The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

More detailed information:
Data sheet 91071

Technical data

NenngroÙe A2FMM			NG		23	28	32	45	56	63	80	90	107	125
Displacement			V_g	cm³	22.9	28.1	32.0	44.9	56.6	63.0	79.8	90.5	106.7	125.0
Speed			n_{nom}	min⁻¹	6300	6300	6300	5000	5000	5000	4500	4500	4000	4000
Displacement at n_{nom}			q_v	l/m in	144	177	202	225	283	315	359	407	427	500
Torque $\Delta p = 400 \text{ bar}$			M	Nm	146	179	204	286	360	401	508	576	679	796

Axial piston fixed motor A2FM series 6x



- Size 5 ... 200
- Nominal pressure: 315 bar (NG5), 400 bar (NG10-200)
- Peak pressure: 350 bar (NG5), 450 bar (NG10-200)
- Open and closed circuit

Features

- Use in mobile and stationary application ranges
- Axial tapered piston bent axis design
- High power density
- Small dimensions
- High overall efficiency
- Good start-up efficiency

Product description

A2FM is a constant motor with axial tapered piston transmission in bent axis design for hydrostatic drives in the open and closed circuit. With axial piston units in bent axis design, the pistons are arranged diagonally to the drive shaft. The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

More detailed information:

Data sheet 91001

Technical data

Size	NG		5	10	12	16	23	28	32	45	56
Displacement	V_g	cm ³	4.93	10.3	12	16	22.9	28.1	32	45.6	56.1
Speed	n_{nom}	min ⁻¹	10000	8000	8000	8000	6300	6300	6300	5600	5000
Displacement at n_{nom}	q_v	l/min	49	82	96	128	144	177	202	255	281
Torque	$\Delta p = 315$ bar	M	Nm	24.7	–	–	–	–	–	–	–
	$\Delta p = 400$ bar	M	Nm	–	66	76	102	146	179	204	357
Size	NG		63	80	90	107	125	160	180	200	
Displacement	V_g	cm ³	63	80.4	90	106.7	125	160.4	180	200	
Speed	n_{nom}	min ⁻¹	5000	4500	4500	4000	4000	3600	3600	2750	
Displacement at n_{nom}	q_v	l/min	315	362	405	427	500	577	648	550	
Torque	$\Delta p = 400$ bar	M	Nm	401	512	573	679	796	1021	1146	1273

Axial piston variable motor

A6VM series 65 and 71



Features

- ▶ Use in mobile and stationary application ranges
- ▶ Axial tapered piston bent axis design
- ▶ Robust motor with long life cycle
- ▶ High start-up efficiency
- ▶ Good low speed behavior
- ▶ Large control area

- ▶ Series 65
 - Size 80, 107, 160
 - Nominal pressure 400 bar
 - Peak pressure 530 bar
- ▶ Series 71
 - Size 85
 - Nominal pressure 450 bar
 - Peak pressure 500 bar
- ▶ Open and closed circuit

Product description

A6VM is a variable displacement motor with axial tapered piston transmission in bent axis design for hydrostatic drives in the open and closed circuit. With axial piston units in bent axis design, the pistons are arranged diagonally to the drive shaft. The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

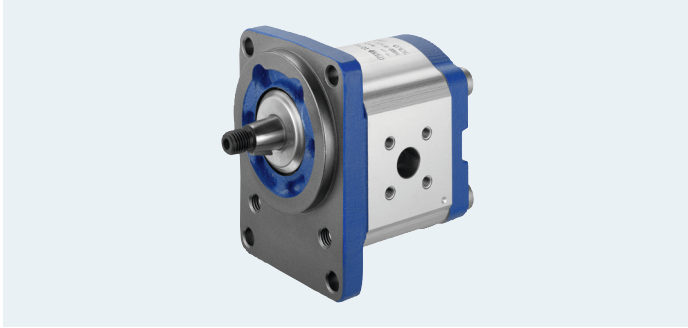
More detailed information:

Data sheet 91607 (series 65)
Data sheet 91610 (series 71)

Technical Data

Size – series 65			NG		80	107	160
Displacement	$V_{g \max}$	cm ³			80	107	160
Speed at $V_{g \max}$	n_{nom}	min ⁻¹			3900	3550	3100
Displacement at n_{nom}	q_v	l/min			312	380	496
Torque $\Delta p = 400 \text{ bar}$	M	Nm			509	681	1019
Size – series 71			NG		85	215	
Displacement	$V_{g \max}$	cm ³			85.2	216,5	
Speed at $V_{g \max}$	n_{nom}	min ⁻¹			3900	2900	
Displacement at n_{nom}	q_v	l/min			332	628	
Torque $\Delta p = 450 \text{ bar}$	M	Nm			610	1550	

High performance external gear motor AZMF



- ▶ Platform F
- ▶ Constant displacement
- ▶ Size 8 ... 28
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Continuously high quality due to large series production
- ▶ Long life cycle
- ▶ Large speed range
- ▶ Plain bearings for high loads
- ▶ Optionally reversible version for 2- and 4-quadrant operation
- ▶ Numerous design variations available

Product description

With external gear motors, it is distinguished between motors for one direction of rotation and reversible motors. External gear motors for one direction of rotation are set up asymmetrically, i.e. the high- and low-pressure side are fixed. The reversible motors are a particularity: their high- and low-pressure chambers are separated from the bearing and shaft seal ring chamber. The leakage incurring here is discharged via a separate leakage connection.

More detailed information:

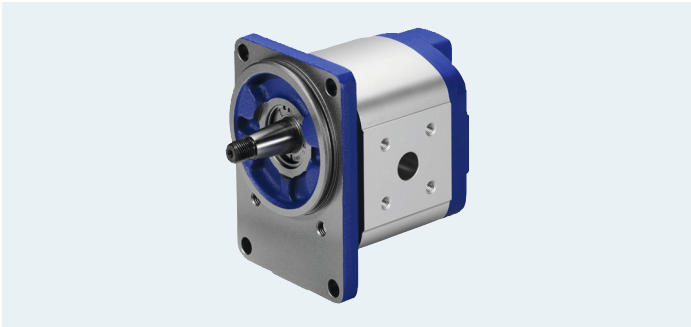
Data sheet 14028

Technical Data

Size – series 1x	NG		8	11	14	16	19	22
Displacement	V_g	cm ³	8	11	14	16	19	22.5
Maximum continuous pressure	p_1	bar	250	250	250	250	180	180
Maximum intermittent pressure	p_2	bar	280	280	280	280	210	210
Speed at p_1	n_{min}	min ⁻¹	700	600	500	500	500	500
	n_{max}	min ⁻¹	4000	3500	3000	3000	3000	3000

High performance external gear motor

AZMN



- ▶ Platform N
- ▶ Constant displacement
- ▶ Size 20 ... 36
- ▶ Continuous pressure up to 250 bar
- ▶ Intermittent pressure up to 280 bar

Features

- ▶ Continuously high quality due to large series production
- ▶ Long life cycle
- ▶ Large speed range
- ▶ Plain bearings for high loads
- ▶ Optionally reversible version for 2- and 4-quadrant operation
- ▶ Numerous design variations available

Product description

With external gear motors, it is distinguished between motors for one direction of rotation and reversible motors. External gear motors for one direction of rotation are set up asymmetrically, i.e. the high- and low-pressure side are fixed. The reversible motors are a particularity: their high- and low-pressure chambers are separated from the bearing and shaft seal ring chamber. The leakage incurring here is discharged via a separate leakage connection.

More detailed information:
Data sheet 14029

Technical Data

Size	NG		20	22	25	28	32	36
Displacement	V_g	cm ³	20	22.5	25	28	32	36
Maximum continuous pressure	p_1	bar	250	210	210	210	180	160
Maximum intermittent pressure	p_2	bar	280	240	240	240	210	190
Speed at p_1	n_{min}	min ⁻¹	500	500	500	500	500	500
	n_{max}	min ⁻¹	3000	3000	3000	3000	3000	3000

Gears

Travel gears

Rexroth offers a wide selection of planetary gearboxes for the whole range of mobile applications.

Planetary gearboxes are used as propel drives in tracked vehicles or as wheel drives in wheeled vehicles as well as swing drives for rotary motion and as winch drives for lifting and lowering loads.

The planetary gearboxes have two, three or more planetary stages. They are available with a number of different Rexroth hydraulic motor variants.



Travel gears

HYDROTRAC GFT 8000



- For travel drives in tracked and wheeled vehicles
- Two- or three-stage planetary gearbox
- Can be combined with Rexroth's extensive line of motors
- Perfect matching of the gearbox ratio with the hydraulic motor
- Torque output 10000 ... 130000 Nm

Features

- Compact, space-saving design
- Integrated multi-disc parking brake
- Mechanical disconnection for towing purposes
- Size 8105 ... 8190 for more than 30 applications for high-mileage mobile machines
- Simple and quick configuration and modular tool box design
- Optional with dynamic multi-disc brake for the sizes GFT 8120, 8130 and 8150

Product description

The hydrostatic compact drive series 40 consists of a two- or three-stage planetary gearbox, which - in combination with a hydraulic axial piston motor - builds a space-saving drive unit. The complete unit is used as a drive component for wheel- or chain driven vehicles and other mobile applications.

More detailed information:

Data sheet 77117

Technical data

GFT			8110E/40	8120E/40	8130E/40	8140F/40	8150E/40	8160F/40	8170F/40
Maximum output torque	$T_{2 \max}$	Nm	10000	15000	20000	30000	42000	52000	70000
Interm. output torque	T_{Inter}	Nm	5900	8100	11500	16000	25000	36300	62000
Maximum output speed ¹⁾	$n_{2 \max}$	min ⁻¹	95	140	85	40	100	45	36
Max. brake torque static at 18 bar	$T_{\text{Br max}}$	Nm	290	480	608	480	1220	608	608
Ratio	i		25.2/39.2/ 47.1 ²⁾ /54.7	19.0/24.0/ 26.1/32.1 ²⁾ / 36.4/39.1	26/32.3/ 39.2/50.6 ²⁾	90.4/102.8 ²⁾ / 120.4/137.1	32.3/35.4/ 41.4 ²⁾ /50.6	73.8/100.5 ²⁾ / 116.1/138.9	95.0/107.3/ 124.1 ²⁾ /140.5
Possible hydraulic motors			A2FE28•32 A6VE28 A10FE28• 40•45 A10VE28•45	A2FE45• 56•63 A6VE55•60• 80•85	A2FE45•56• 63•80•90 A6VE55•60• 80•85	A2FE45• 56•63 A6VE55•60	A2FE80•90 A6VE80•85• 107•115 160•170	A2FE80•90• 107•125 A6VE80•85• 107•115	A2FE107•125 A6VE107•115

1) Continuous for 30 minutes

2) Ratio from GoTo Programm

For order details regarding the GoTo products, see from page 98.

Bosch Rexroth AG, RE 90157/2023-10-01

Mobile controls

HMI control devices

Electronic control devices and hydraulic pilot control devices (joysticks and foot pedals) are used for the sensitive, performance-optimized and secure control of the actuations devices of modern mobile machines. Various handle designs, latching and reference positions for marking working points and characteristic curves enable an ideal adjustment in the machine. Pilot control devices are very reliable and have a long life cycle.

Power brake valves

Heavy machinery in construction, agriculture and forestry as well as municipal vehicles, vehicles for material handling and special vehicles require braking systems with a high level of operational safety with low operating force. These vehicles require servo-assisted or power braking systems to comply with the legally prescribed braking action. Power brake valves are available in modular and compact design and can be operated with displacement pumps (open center) or load-sensing hydraulic system.

HMI = Human Machine Interface



Hydraulic pilot control device with lever 2TH6



Features

- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Available with resistance point for the floating position function
- ▶ Rust-proof plungers
- ▶ Available with electromagnetic end position locking
- ▶ Protection of the control instruments by means of a rubber sleeve
- ▶ Bent or flat pedal

- ▶ For the actuation of directional valves, pumps, motors
- ▶ Sandwich plate design with 1 to 3 flange-mounted control axes
- ▶ 2 pilot control ports per element
- ▶ Nominal pressure 50 bar

Product description

The hydraulic pilot control devices of the 2TH6 type can work simultaneously on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a control lever, two pressure reducing valves and a housing. In the non-operated state, the control lever is kept in the neutral position by means of return springs.

More detailed information:
Data sheet 64552

Technical Data

Type		2TH6
Maximum inlet pressure	bar	50
Maximum pilot flow	l/min	16
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 6

Hydraulic pilot control device

4TH5



- For the actuation of directional valves, pumps, motors
- Up to 4 pilot control ports
- Nominal pressure 50 bar

Features

- Multidirectional joystick
- Progressive, sensitive actuation
- Precise control free of play
- Ergonomic, configurable handles
- Available with resistance point for the floating position function
- Rust proof plungers
- Available with electromagnetic end position locking
- Protection of the control instruments by means of a rubber sleeve

Product description

The hydraulic pilot control devices of the 4TH5 type work on the basis of direct operated pressure reducing valves. With reduced actuation effort, they are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a handle, 4 pressure reducing valves and a housing. In the non-operated state, the handle is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 64555

Technical Data

Type		4TH5
Maximum inlet pressure	bar	35
Maximum tank counter-pressure	bar	3
Maximum pilot flow	l/min	13
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 4

Hydraulic pilot control device

4TH6/4TH6N



- For the actuation of directional valves, pumps, motors
- Up to 4 pilot control ports
- Nominal pressure 50 bar

Features

- Multidirectional joystick
- Progressive, sensitive actuation
- Precise control free of play
- Ergonomic, configurable handles
- Available with resistance point for the floating position function
- Rust proof plungers
- Available with electromagnetic end position locking
- Protection of the control instruments by means of a rubber sleeve

Product description

The hydraulic pilot control devices of the 4TH6 and 4TH6N type work on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The 4TH6N generates less actuation effort. The pilot devices mainly consist of a handle, 4 pressure reducing valves and a housing. In the non-operated state, the handle is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 64555

Technical Data

Type		4TH6/4TH6N
Maximum inlet pressure	bar	50
Maximum tank counter-pressure	bar	3
Maximum pilot flow	l/min	16
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 4

Hydraulic pilot control device

4THF5



- ▶ For the actuation of directional valves, pumps, motors
- ▶ Up to 4 pilot control ports
- ▶ Nominal pressure 50 bar

Features

- ▶ Multidirectional joystick
- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Ergonomic, configurable handles
- ▶ Available with resistance point for the floating position function
- ▶ Rust proof plungers
- ▶ Available with electromagnetic end position locking
- ▶ Protection of the control instruments by means of a rubber sleeve

Product description

The hydraulic pilot control devices of the 4THF5 type work on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a handle, 4 pressure reducing valves, 1 to 4 electromagnetic lockings and a housing. In the non-operated state, the handle is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 64557

Technical Data

Type		4THF5
Maximum inlet pressure	bar	50
Maximum tank counter-pressure	bar	3
Maximum pilot flow	l/min	13
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 4

Hydraulic pilot control device

4/5THF6



Features

- ▶ Multidirectional joystick
- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Ergonomic, configurable handles
- ▶ Available with resistance point for the floating position function
- ▶ Rust proof plungers
- ▶ Available with electromagnetic end position locking
- ▶ Protection of the control instruments by means of a rubber sleeve

- ▶ For the control of wheeled loaders, backhoe loaders, dozers and tracked loaders
- ▶ Up to 5 pilot control ports and 2 extra (flanged 2TH6)
- ▶ Nominal pressure 50 bar

Product description

The hydraulic pilot control devices of the 4THF6 (+2TH6) type work on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a handle, 4 pressure reducing valves, 1 to 4 electromagnetic lockings and a housing. In the non-operated state, the handle is kept in the neutral position by means of return springs.

More detailed information:
Data sheet 64553

Technical Data

Type		4/5THF6
Maximum inlet pressure	bar	50
Maximum tank counter-pressure	bar	3
Maximum pilot flow	l/min	16
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 5

Hydraulic pilot control device with foot pedal

2TH6R



- ▶ For the actuation of directional valves, pumps, motors
- ▶ Single axis pedal
- ▶ 2 pilot control ports
- ▶ Nominal pressure 50 bar

Features

- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Available with resistance point for the floating position function
- ▶ Protection of the control instruments by means of a rubber sleeve
- ▶ Rust-proof plungers
- ▶ Bent or flat pedal

Product description

The hydraulic pilot control devices of the 2TH6R type work on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a foot pedal, two pressure reducing valves and a housing. In the non-operated state, the foot pedal is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 64551

Technical Data

Type		2TH6R
Maximum inlet pressure	bar	50
Maximum pilot flow	l/min	16
Maximum hysteresis	bar	1
Number of control semi-axis		1

Hydraulic pilot control unit

TH7



- ▶ For the actuation of directional valves, pumps, motors
- ▶ Various versions with lever or pedal actuation
- ▶ 1, 2 or 4 pilot control ports
- ▶ Nominal pressure 50 bar

Features

- ▶ Compact design
- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Available with resistance point for the floating position function
- ▶ Rust-proof plungers
- ▶ Available with electromagnetic end position locking
- ▶ Protection of the control instruments by means of a rubber sleeve

Product description

The hydraulic pilot control devices of the TH7 type work on the basis of direct operated pressure reducing valves. They are intended for the proportional-hydraulic actuation of directional valves as well as hydraulic pumps and motors. The pilot control devices mainly consist of a lever or pedal, two pressure reducing valves and a housing. In the non-operated state, the lever or pedal is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 64558

Technical Data

Type		TH7
Maximum inlet pressure	bar	50
Maximum pilot flow	l/min	20
Maximum hysteresis	bar	1
Number of control semi-axis		1 ... 2

Electronic control device

4THE5



- ▶ For the control of directional valves, pumps, motors
- ▶ Up to 4 proportional axes
- ▶ CAN, current power or voltage signal
- ▶ Multi-functional electronic joystick

Features

- ▶ Multidirectional joystick
- ▶ Progressive, sensitive actuation
- ▶ Precise control free of play
- ▶ Ergonomic, configurable handles
- ▶ Available with resistance point for the floating position function
- ▶ Rust proof plungers
- ▶ Available with electronic end position locking
- ▶ Protection of the control instruments by means of a rubber sleeve

Product description

Electronic control device of the 4THE5 type work on the basis of contactless Hall Effect sensor. They are intended for the proportional-electronic control of any electronically actuated device (directional valves, pumps, motors, ...). Pilot control units mainly consists of a handle, Performance Level c or d safety level base with full potted electronics, signal voltage, Power and CAN outputs. Mechanics and ergonomics are similar to hydraulic pilot control units. This set-up ensures a high degree of robustness. In the non-operated state, the handle is kept in the neutral position by means of return springs.

More detailed information:

Data sheet 29696 (CAN), 29697(Analog and PWM)

Technical Data

Type		4THE5 CAN	4THE5 voltage signal
Proportional signal	Full stroke +	+100%	4.3 V
	Neutral	0%	2.5 V
	Full stroke -	-100%	0.7 V
Number of control semi-axis		1 ... 4	1 ... 4

1-circuit power brake valve

LT 05



Features

- ▶ Brake pressure, proportional to the actuation force
- ▶ Integrated maximum pressure limitation of the brake circuits
- ▶ Ergonomic adjustment of the pedal’s angle of attack possible
- ▶ Optionally available with attached LT19 or LT20 pedal
- ▶ All pedal versions are equipped with an anti-slip pedal rubber pad which can be disassembled
- ▶ Small installation dimensions

- ▶ Direct actuated pressure reducing valve in 3-way version with stepless mechanical actuation
- ▶ For construction machines, conveyors, forestry and agricultural machines, municipal vehicles, special vehicles
- ▶ Maximum inlet pressure 200 bar
- ▶ Maximal service brake pressure 160 bar
- ▶ For modular braking systems in modular design

Product description

The LT 05 1-circuit power brake valve is a direct actuated pressure reducing valve in 3-way version with stepless mechanical actuation. It comprises a maximum pressure limitation of the secondary circuit and a stepless dosing capability of the brake pressure, proportional to the pedal actuation angle. Here, the actuating force is also proportional to the path of actuation.

More detailed information:
Data sheet 66143

Technical Data

Type		LT 05
Maximum service brake pressure	bar	160
Maximum inlet pressure	bar	200
Maximum tank pressure	bar	0.5

2-circuit power brake valve

LT 07



- ▶ Direct actuated pressure reducing valve in 3-way version with stepless mechanical actuation
- ▶ For mobile machines
- ▶ Maximum inlet pressure 200 bar
- ▶ Maximum service brake pressure 140 bar
- ▶ For modular braking systems in modular design

Features

- ▶ Perfect piping possible due to freely rotatable mounting flange
- ▶ Brake pressure, proportional to the actuation force
- ▶ Synchronism due to low hysteresis
- ▶ Integrated maximum pressure limitation of the brake circuits
- ▶ External brake pressure feedback possible

Product description

The LT 07 2-circuit power brake valve is a direct operated pressure reducing valve in 3-way version with stepless mechanical actuation. It comprises a maximum pressure limitation of the secondary circuit and a stepless dosing capability of the brake pressure, proportional to the pedal actuation angle. If one of the brake circuits fails, the second brake circuit remains functional due to the mechanical contact of both control spools. The actuating force on the pedal remains unchanged.

More detailed information:

Data sheet 66146

Technical Data

Type		LT 07
Maximum service brake pressure	bar	140
Maximum inlet pressure	bar	200
Maximum tank pressure	bar	0.5

Accumulator charging valve

LT 06



Features

- ▶ Quickly ready for operation
- ▶ Flexible connection possibilities of the accumulators
- ▶ Fast and simple assembly
- ▶ Connection possibility for downstream actuators

- ▶ For maintaining a prescribed pressure level in an accumulator circuit
- ▶ For mobile machines
- ▶ Maximum inlet pressure 200 bar
- ▶ Accumulator charging volume flow 6 ... 17 l/min
- ▶ For modular braking systems in modular design

Product description

The LT 06 accumulator charging valve or pressure cut-off valve has the function of maintaining a pressure level within specific limit values (cut-off pressure, sequencing pressure) within an accumulator circuit. The switching pressure differential amounts to approx. 18% of the cut-off pressure. The valve basically consists of the pilot control with pressure adjustment element, pressure compensator and check valve.

More detailed information:
Data sheet 66191

Technical Data

Type			LT 06
Maximum inlet pressure		bar	200
Maximum flow	Accumulator charging current	l/min	17
	Pump flow	l/min	70

Hand brake valve

LT 08



- ▶ Direct operated pressure reducing valve in 3-way version with hand lever operation
- ▶ For the use in spring-loaded accumulator braking systems
- ▶ Maximum inlet pressure 200 bar
- ▶ Parking brake pressure 25 ... 125 bar
- ▶ With detent locking in actuated position

Features

- ▶ Compact hand brake valve
- ▶ Integrated maximum pressure limitation of the parking brake pressure
- ▶ Good fine control

Product description

The hand brake valve is designed as direct actuated 3-way pressure reducing valve for the use in spring-loaded accumulator braking systems. In the basic position, the flow from S to B is open, which in turn opens the spring-loaded accumulator braking system. By actuating the hand lever, the pressure is reduced directly proportionally to the path of the lever and the speed of actuation. This activates the spring-loaded accumulator braking system.

More detailed information:

Data sheet 66148

Technical Data

Type		LT 08
Maximum inlet pressure	bar	200
Maximum tank pressure	bar	0.5
Parking brake pressure	bar	25 ... 125

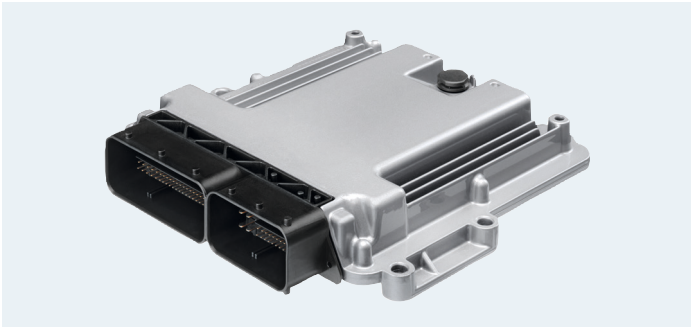
Mobile electronics

With BODAS, Rexroth offers a suitable and unique system for the electronic control of mobile work machines. The BODAS system is characterized by its consistent modular architecture with matched interfaces. Therefore, all components can be easily integrated. Thus, effective machine controls can be developed quickly and cost-effectively. The core pieces of the BODAS hardware kit are the tested, freely programmable RC control units. Sensors, displays and joysticks complete the BODAS hardware kit. The BODAS system benefits from the close cooperation between Rexroth and Bosch. This “Bosch factor” in the development, testing and automotive mass production ensures a stable and outstandingly high product quality. It contributes to your machine’s high degree of availability in rough operating conditions.



BODAS control units

RC series 3x



Features

- ▶ Programmable in C
- ▶ Programmable in BODAS design (all except RC4-5/30)
- ▶ Diagnosis with BODAS service
- ▶ Nominal voltage 12 V/24 V
- ▶ Protection class IP65
- ▶ Frequency inputs: active, inductive, Rexroth DSM
- ▶ 4 temperature/resistance inputs

- ▶ Inputs total: up to 51
- ▶ Current controlled power outputs: up to 10
- ▶ Switching power outputs: up to 10
- ▶ Analog outputs: up to 6
- ▶ CAN bus interfaces: up to 4

Product description

The control units are the core units of the BODAS system. They form a modular and scalable solution with multi-functional inputs and outputs for the ideal control of the electric hydraulics components in the machine. With their broadly spread application spectrum, BODAS control units map the requirements of mobile machines in an ideal manner.

In complex applications, several control units can be switched together in a network. Safety features, which are integrated in the standard version, allow a simple and reliable machine diagnosis.

More detailed information:
Data sheet „RC4-5“ 95205, „RC10-10“ 95206

Technical data

BODAS control units	RC4-5/30	RC10-10/31
Inputs total	30	51
Current controlled power outputs:	4	10
Switching power outputs	5	10
Analog outputs	1	6
CAN bus interfaces	2	4

BODAS sensors



- ▶ Speed sensor DSM
- ▶ Speed sensor DSA/12
- ▶ Pressure sensor PR3
- ▶ Pressure sensor PR4
- ▶ Temperature sensor for fluids TSF
- ▶ Temperature sensor for air TSA

Features

- ▶ Specifically adapted to the BODAS control units and Rexroth mobile hydraulics
- ▶ High temperature range
- ▶ Short-circuit protection and reverse polarity protection (partially)
- ▶ High electro-magnetic compatibility (EMC)
- ▶ High IP protection classes for mobile use

Product description

As component of the BODAS system, the sensors provide the control unit with important information regarding the machine and the environment. Sensors for mobile machines must be able to resist extremely high environmental loads, in particular when being mounted in the area of the hydraulic power units and drive motors. The sensors for various measurements are based on robust, fault-free, mostly contactless measuring principles. In their housing, the sensor elements are safely protected against vibration, shock, and hazardous fluids and are equipped with a cable connection or connectors suitable for mobile applications.

More detailed information:

Data sheet „DSM“ 95132, „DSA/12“ 95133, „PR3“ 95155, „PR4“ 95156, „TSF“ 95180, „TSA“ 95181

Technical data

BODAS Sensoren	DSM	DSA	PR3	PR4	TSF	TSA
Measurement	Rotational speed	Rotational speed	Pressure	Pressure	Temperature (fluids)	Temperature (air)
Measurement range	1 ... 5000 Hz	0 ... 20 kHz	0 ... 25 bis 0 ... 600 bar	0 ... 50 bis 0 ... 600 bar	-40 ... 150 °C	-30 ... 130 °C
Supply voltage	4,5 ... 20 V	8 ... 32 V	5 V / 8 ... 36 V	5 V	–	–
Protection class	IP69K	IP67 / IP69K	IP67 / IP69K	IP67 / IP69K	IP65	IP64

BODAS display DI4

BODAS video camera CAM



Features

- ▶ Operation through softkeys, hardkeys and rotary/push encoder, optionally by touch (DI4 PRO)
- ▶ 1 USB 2.0 and 2 CAN-Bus 2.0B interfaces
- ▶ 2 video interfaces for the connection of analog video cameras (PAL/NTSC)
- ▶ Type approval according to UN ECE R10 (E1)
- ▶ 800 MHz processor iMX6 Solo, 2 GB flash memory and 512 MB RAM
- ▶ Integrated ambient light sensor

- ▶ Bright, high-contrast 7 inch WVGA color display (800 x 480 pixels), brightness up to 500 cd/m²
- ▶ Numerous integrated interfaces plus in- and outputs
- ▶ Design for stand-alone mounting or for integration in the control panel, portrait or landscape orientation
- ▶ CAM: Analog color video camera (NTSC) with 1/4" CMOS image sensor

Product description

With the BODAS display DI4, Bosch Rexroth is offering a freely programmable high-resolution color display with a powerful 32 bit processor and a 7" display. Depending on the programming, the display enables, for example, process variables, static and dynamic graphic elements and the operation of machine functions to be displayed on one central unit.

The BODAS Color Video Camera in combination with the BODAS Color Display DI4 Video ideally complements the used electronic system with functions for rear-view and workspace monitoring.

More detailed information::

Data sheet
DI4 95272,
CAM 95280

Technical data

Type		DI4	CAM
Memory	RAM	512 MB RAM	–
	Flash	2 GByte	–
	EEPROM	64 kByte	–
Resolution		800 x 480 Pixel	> 300 Zeilen
Supply voltage		12 V / 24 V	12 V / 24 V
Type of protection		IP6K5	IP69K

BODAS service



Features

- ▶ Programming/flashing of control units
- ▶ Password protection for avoiding unauthorized parameter changes
- ▶ Graphical PC interface
- ▶ Easy operation
- ▶ Command line interface
- ▶ Compatible with Vehicle Communication Interfaces acc. to ISO 22900-2 e.g. CAN-USB Interface from Rexroth

- ▶ A windows-based PC software for service and commissioning of Rexroth devices:
- ▶ BODAS-service 3.x:
- ▶ BODAS controllers RC/3x-family
- ▶ BODAS-service 4.x:
- ▶ BODAS controllers RC/40-family
- ▶ Directional valves SB24EHS, SB34EHS and EHR-24EHS series 2x
- ▶ Application area
Service repair shops, service technicians, R&D departments and manufacturing plants of OEMs and Bosch Rexroth AG, system integrators

Product description

The PC software tool BODAS-service is used for the comfortable service and commissioning of Rexroth devices. Parameters can be displayed and edited. Process data can be shown and recorded. Additionally, errors can be read and deleted. Moreover, there are functions for reading and saving of the complete parameter sets from and to the control units.

More detailed information:

Data sheet
BODAS-service 3.x 95086,
BODAS-service 4.x 95087

Analog amplifier RA2-1



Features

- Optional: mutual locking of the proportional solenoid control
- Externally adjustable PWM frequency
- Voltage supply for external command value potentiometer
- Monitoring of the command value potentiometer for cable break and short-circuit
- Error output
- Overload protection, overvoltage protection, conditional short-circuit protection

- For the control of simple functions of electro-hydraulic components
- Two power outputs (PWM) and one switching output
- Separately adjustable time for each output, for upwards and downwards ramps
- Adjustable minimum and maximum flows for each output

Product description

The analog amplifier is used for the control of up to two proportional solenoids. As input variable, the prescribed control voltage is processed in the amplifier. As output parameter, the analog amplifier provides a regulated electrical current for the control of the proportional solenoids. The amplifier outputs for the proportional solenoids are activated by applying approx. 5% of the maximum command value voltage at the input, i.e. the minimum output current is applied.

More detailed information:
Data sheet 95230

Technical data

Analog amplifier		RA2-1
Nominal voltage		12 and 24 V
Maximum current consumption	with load	6 A
Switching input		1
PWM outputs		2
Switching output		1
LED indicators	Red	Error (error display)
	Green	Power (operating display)
	Yellow	I1 (PWM current channel 1)
	Yellow	I2 (PWM current channel 2)

Compact hydraulics

Bosch Rexroth stands out in the worldwide Compact Hydraulics market thanks to innovative technologies that grant improved performances and cost effective solutions. Compact Hydraulics develops and consolidates its position in the worldwide market by directly managing each product's manufacturing stage.

An added value in quality terms which, along with the ability of tailoring products around customers needs, represents the primary key success factor.

The technologically advanced know-how and the close relationship with customers represents a strategic advantage for Compact Hydraulics.

With its 5 product lines - cartridge valves, integrated circuits, load holding/motion control, modular directional valves, power pack modules - and a wide range of solutions tailored to fit any customer need, Compact Hydraulics is a synonym of quality for worldwide mobile and industrial markets.

Flexibility

The market requires unique and flexible hydraulic solutions, OEMs ask for swift response times and the support of a partner with over ten years of experience alongside the customer: Bosch Rexroth's Compact Hydraulics perfectly fits in this role and stands out as unique compact hydraulics components supplier for mobile and industrial applications. From earth moving to lifting, through recycling and agriculture, there isn't an application for which CH hasn't developed technologically advanced products.

The Bosch Factor

CH is employing a vast amount of resources in developing technical and sales network channels, empowering area engineering, R&D and service in order to constantly supply to OEMs new solutions tailored to fit their needs, quick response timings and to improve overall service quality and to sensibly improve the time-to-market.



Cartridge valves

Mechanical valves



Features

- ▶ Pressure, flow and directional control, counterbalance valves, logic elements & compensators; priority flow control.
- ▶ Wide range of option selections for each family.
- ▶ Complete range available at our distribution network.
- ▶ New springs for lower and higher setting pressure range.
- ▶ New development of multifunction range

- ▶ Mechanical cartridge valves designed to fit common industry and market interchange cavities.
- ▶ Full range of counterbalance valves for SUN cavities.
- ▶ High flow cartridge valves for applications where it's required compact design and the maximum flexibility in managing high flow rates.
- ▶ Compact insert valves.

Product description

Compact Hydraulics offers a complete range of screw-in type cartridge valves designed to meet any request of mobile and industrial applications such as construction, agriculture, material handling, commercial and municipal. With 40 years of experience on the field, Compact Hydraulics ensures the operators innovative solutions designed to fit UNF standard cavities and market interchange cavities. Optimized to suit the performance needs of the most important worldwide OEMs, Compact Hydraulics designs and produces price competitiveness cartridge valves respecting high standard of quality.

More detailed information:
Catalog 90010-05 chapter 1, 2

Technical data

Function	Pressure range [bar]	Flow [lpm]	Cavity	Pilot ratio
Pressure control	up to 460	up to 800	UNF, special and market interchange	-
Counterbalance	up to 420	up to 480	UNF and market interchange	1.5 to 9
Check and shuttle	up to 420	up to 560	UNF, special and market interchange	-
Flow control	up to 420	up to 165	UNF, special	-
Logic elements and directional	up to 350	up to 360	UNF, special	-

Cartridge valves

Solenoid valves



Features

- ▶ New and improved family of valves now suitable for higher pressure and flow, at higher ambient temperatures, with a wider input voltage tolerance.
- ▶ On-off pilot operated.
- ▶ On-off direct acting.
- ▶ Wide range of configuration available.
- ▶ Wide coils and connectors range available.
- ▶ Long life cycle, up to 2 million cycles.
- ▶ Large admissible voltage fluctuations.
- ▶ Compact design.

- ▶ Top performing solenoid cartridge valves.
- ▶ Reliable shifting at high pressure & flow.
- ▶ Available in common industry cavities sizes 8 through 16.
- ▶ Wide operating pressure range up to 350 bar.
- ▶ Ambient temperature up to 90°C.

Product description

Compact Hydraulics improved the performances of its wide range of on-off valves developing the NEW top performing solenoid cartridge valves and coils. They incorporate a new solenoid concept providing excellent performance which enables new valves to work in severe environment conditions in terms of temperature and harsh operating conditions: salt water spray, agricultural chemicals...

Now available pilot operated and direct acting poppet or spool type to fit UNF or special cavities.

More detailed information:
Catalog 90010-05, chapter 4

Technical data

Function	Pressure range [bar]	Flow [lpm]	Cavity	Coil
Pilot operated 2/2 poppet type normally open	up to 350	up to 150	UNF, special	D36, S8
Pilot operated 2/2 poppet type normally closed	up to 350	up to 150	UNF, special	D36, S8
Pilot operated 2/2 poppet type, proximity sensor normally open	up to 350	up to 150	UNF, special	D36, S7, S8
Pilot operated 2/2 poppet type, proximity sensor normally closed	up to 350	up to 150	UNF, special	D36, S7, S8
Direct acting 2/2 poppet type normally open	up to 500	up to 25	UNF, spec., MKT*	S7, S8, GZ37
Direct acting 2/2 poppet type normally closed	up to 500	up to 25	UNF, spec., MKT*	S7, GZ37
Direct acting 3/2 poppet type	up to 500	up to 25	UNF, spec., MKT*	S7, GZ37
Direct acting 2/2 spool type	up to 350	up to 55	MKT*	GZ37
Direct acting 3/2 spool type	up to 350	up to 60	UNF, spec., MKT*	D36, S7, S8, R5, GZ37
Direct acting 4/2 spool type	up to 350	up to 40	UNF, spec., MKT*	D36, S7, S8, GZ37
Direct acting 4/3 spool type	up to 350	up to 35	UNF	S8, GP37
Direct acting 5/3 spool type	up to 250	up to 25	UNF	GP37

MKT*: market interchange

For order details regarding the GoTo products, see page 108.

RE 90157/2023-10-01, Bosch Rexroth AG

Cartridge valves

Proportional valves



Features

- ▶ 2-way and 3-way not compensated versions available in a variety of flow-optimized models .
- ▶ Poppet versions with low pressure drop available up to 60 l/min (16 gpm).
- ▶ Pressure compensated, proportional flow regulators.
- ▶ 4/3 spool type directional control valve size 10 with LS-port.
- ▶ LS 5 ports option available.
- ▶ Relief with increase and falling curves in common cavities.

- ▶ Higher switching capacity (Qmax) with same cavity and lower pressure drop.
- ▶ Extended operating range (temperature) due to adequate design of magnetic system.
- ▶ Design prevents spool squeezing improved sealing concept.
- ▶ New development of modular concept solutions.

Product description

Compact Hydraulics offers a wide range of proportional cartridge valves: pressure and flow control, pressure reducing and directional control.

Optimized to suit the performance needs of most important OEMs worldwide, Compact Hydraulics designs and produces high pressure proportional cartridge valves suitable in mobile and industrial applications.

The complete range is available either as high performance valve up to 350 bar and 10 million life cycles or standard performance valve featuring 250 bar and 2 million life cycles.

More detailed information:
Catalog 90010-05 chapter 5, 6

Technical data

Function	Pressure range [bar]	Flow [lpm]	Cavity	Coils
Direct acting	up to 350	25	UNF	GP37
Relief direct acting	up to 420	up to 5	UNF, market interchange	GP37
Relief pilot operated	up to 420	up to 200	UNF, special	S5, GP37
Direct acting pressure reducing	up to 250	up to 40	UNF, special	S5, GP45
Pilot operated pressure reducing	up to 210	up to 80	UNF	S5
2-way double lock	up to 250	up to 20	UNF, special	S5, R7
Flow regulator not compensated	up to 210	up to 60	UNF	S5
Flow regulator pressure compensated	up to 350	up to 250	UNF	R7, GP37

Integrated circuits



Features

- Complete range of standard manifolds for all cartridges UNF cavity.
- Standard solutions with BSPP or SAE threaded ports.
- Flanged version available on request.
- Special ports (ISO, JIS. etc.) available on request.
- Customized solutions designed and produced according to customers requirements or following specific applications demands.
- Configuration tool, CHoose, available for quick definition of project contents, specifications and for quick cost estimation.

More detailed information:
Catalog 90010-05, chapter 7

- Full range of manifold types.
- Standard solutions with single or dual cavities.
- Compact customized solutions.
- Aluminum, steel and cast iron manifolds.
- Maximum pressure up to 210 bar (aluminum) or up to 350 bar (steel / cast iron).

Product description

Compact Hydraulics designs and produces the best solutions in terms of balance between optimal performance, compactness and targeted price. Product reliability and cost effectiveness are granted by the Compact Hydraulics wide range of already available standard products (cartridges, compact directional valves, cetop valves...): these are combined into customized multifunctional blocks undergoing the production process, fully internally controlled. HIC manufacturing exploits the most advanced CNC machining tools available on the market: aluminium manifolds are available on request with black anodizing finishing for improved corrosion and dirt resistance, while steel manifolds are always provided zinc plated.

Standard manifolds

	Cavity threaded															
	Size 07 (5/8 18-UNF-2B)				Size 08 (3/4 16-UNF-2B)				Size 10 (7/8 14-UNF-2B)				Size 12 (1-1/16 12-UN-2B)			
Ports	3 way	2 way	3 way	4 way	2 way	3 way	4 way	2 way	3 way	4 way	2 way	3 way	4 way	2 way	3 way	4 way
G 1/4	A-S	A-S	A-S	A-S		A-S	A-S									
G 3/8	A-S	A-S	A-S	A-S	A-S	A-S	A-S									
G 1/2					A-S	A-S	A-S	A-S	A-S							
G 3/4					A-S			A-S	A-S	A-S	A-S	A-S	A-S			
G 1								A-S		A-S	A-S	A-S	A-S	A-S	A-S	A-S
G 1-1/4														A-S	A-S	A-S

A = Aluminium

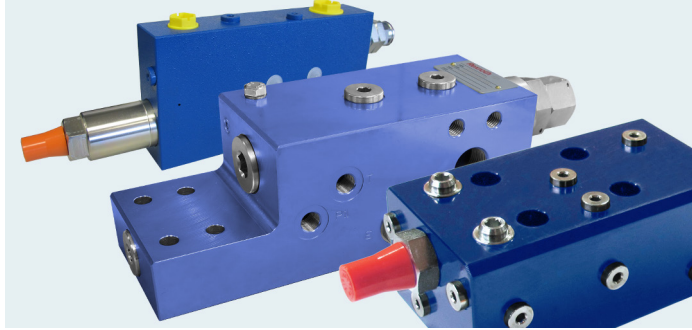
S = Steel

Note: available on request manifolds with market interchangeable cavity, ISO 6149 and JIS B 2351-90 type 0 ports.

For order details regarding the GoTo products, see from page 110.

RE 90157/2023-10-01, Bosch Rexroth AG

Load holding / Motion control valves



Features

- ▶ Suitable for any mobile applications: cranes, lifting working platforms, excavators, telehandler, backhoe loaders, drilling equipments, concrete pump trucks.
- ▶ Counterbalance valves w/wo regenerative function.
- ▶ Pilot operated check valves.
- ▶ Flow regulators.
- ▶ Check and metering valves.
- ▶ Hose burst protection valves.
- ▶ Valves for motors.

More detailed information:
Catalog 90010-06, chapter 1

- ▶ Wide range of standard and customized solutions.
- ▶ Flangeable directly on the actuator or for line mounting.
- ▶ Reliability in motion control, optionally with energy saving functions.
- ▶ Aluminum and steel manifolds.
- ▶ Maximum pressure up to 210 bar (aluminum) or up to 420 bar (steel).

Product description

The series of „parts in body“ motion control valves is formed by a standard or customer tailored manifold, incorporating the proper internal elements and fitted to a flange directly on the actuator or connected in pipeline. Good stability during load lowering control is by far the primary and most commonly required feature of a motion control valve. The great flexibility of the „parts in body“ concept provides optimised solutions on each of the required characteristics and supplies high performance valve modules dedicated to the different applications. The concept and the production process of the „parts in body“ modules allow highly customised solutions, both in term of performances and clearance, in co-design with the machine original manufacturer.

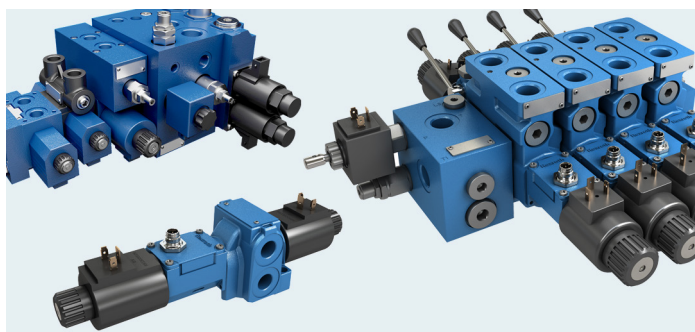
Technical data

Counterbalance	Flow [lpm]	Pressure [bar]	Ports	Body material
Size 78	up to 40	up to 350	G 1/4 - Flangeable	Steel
Size 30	up to 60	up to 410	G 1/4 - G 3/8 - G 1/2 - Flangeable	Steel
Size 90	up to 90	up to 410	G 1/2 - Flangeable	Steel
Size 33	up to 150	up to 410	G 1/2 - G 3/4 - Flangeable	Aluminium - Steel
Size 42	up to 350	up to 410	G 1 - Flangeable	Steel
Pilot operated check	Flow [lpm]	Pressure [bar]	Ports	Body material
Single effect	up to 100	up to 350	G 1/4 - G 3/8 - G 1/2 - Flangeable	Aluminium - Steel
Double effect	up to 100	up to 350	G 1/4 - G 3/8 - G 1/2 - Flangeable	Aluminium - Steel
Flow regulators	Flow [lpm]	Pressure [bar]	Ports	Body material
2-way pressure compensated	up to 190	up to 350	G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	Steel
3-way pressure compensated	up to 190	up to 350	G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	Steel
3-way combination type	up to 190	up to 350	G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	Steel
Heavy duty priority flow control	up to 390	up to 350	G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1 - G 1-1/4	Steel

Note: versions with other ports available on request

For order details regarding the GoTo products, see from page 110.
Bosch Rexroth AG, RE 90157/2023-10-01

Compact directional valves



- ▶ 4/3 and 4/2 modular directional valves, optionally with load-sensing (LS) or flow sharing (LUDV) control.
- ▶ 3/2...14/2 flow diverters.
- ▶ Special stand alone directional valves.
- ▶ Cetop 2 valves.

Features

- ▶ Modular system to create electro-hydraulic control of actuators (motors or cylinders) in open circuits.
- ▶ Version with LUDV system (flow sharing).
- ▶ Energy saving.
- ▶ Simplification of the hydraulic circuit.
- ▶ Solution of flow saturation problems seen in load-sensing circuits.

Product description

Compact Hydraulics designs and produces modular valves which allow electro-hydraulic control of the actuators (motors or cylinders). Based on the “ED slice concept”, they replace the traditional “6 ways directional valve system” and Cetop assemblies, allowing potentially infinite combinations to match any customers needs and to improve their machines performances. The LUDV system version (flow sharing) meets the requests of any applications when simultaneous movements are required (eg. Aerial Work Platforms, Truck Cranes...). The wide range of compact directional valves also includes: flow diverters, special directional valves and Cetop 2 valves which can improve any performances of the most important mobile and industrial applications.

More detailed information:
Catalog 90010-06, chapter 2-5

Technical data

Modular directional valves	Size 4			Size 6			Size 6 (LUDV)			Size 8		
Flow [lpm]	up to 25			up to 60			up to 70			up to 80		
Max pressure [bar]	up to 310			up to 310			310			310		
LS signal	available			available			available			available		
Ports	G 3/8 - SAE 6			G 3/8 - G 1/2 - SAE 6 - SAE 8			G 3/8 - G 1/2 - SAE 8			G 1/2 - SAE 8 - 10		
Electrical actuation	Electr., Proport., Hydr.			Electr., Proport., Hydr., with lever			Electr., Proport., Hydr., with lever			Electr., Hydr.		
Manual and push override	available			available			available			available		
With lever	-			available			available			-		

Flow diverters	Size 4			Size 6			Size 10			Size 12			Size 16		
Ways	3	6	6-14	3	6	6-14	3	6	6-14	3	6	6-14	3	6	6-14
Flow [lpm]	25	25	20	50-60	50-60	50	-	-	90	120-140	120-140	-	-	220	-
Max pressure, int./ext drain [bar]	250/310	250/310	250/310	250/310	250/310	250/310	-	-	250/310	250/310	250/310	-	-	250/310	--
Ports	G 1/4 SAE 4	G 1/4 SAE 4, G 1/4 JIS-B	G 1/4 SAE 4	G 3/8 SAE 6, G 1/2 SAE 8	G 3/8, G 1/2 SAE 8	G 3/8, G 1/2 SAE 8 M18x1.5	-	-	G 1/2 SAE10 M18x1.5 G1/2 JIS-B	G 1/2, G 3/4 SAE 12	G 1/2, G 3/4 SAE 12	-	-	G 1	-

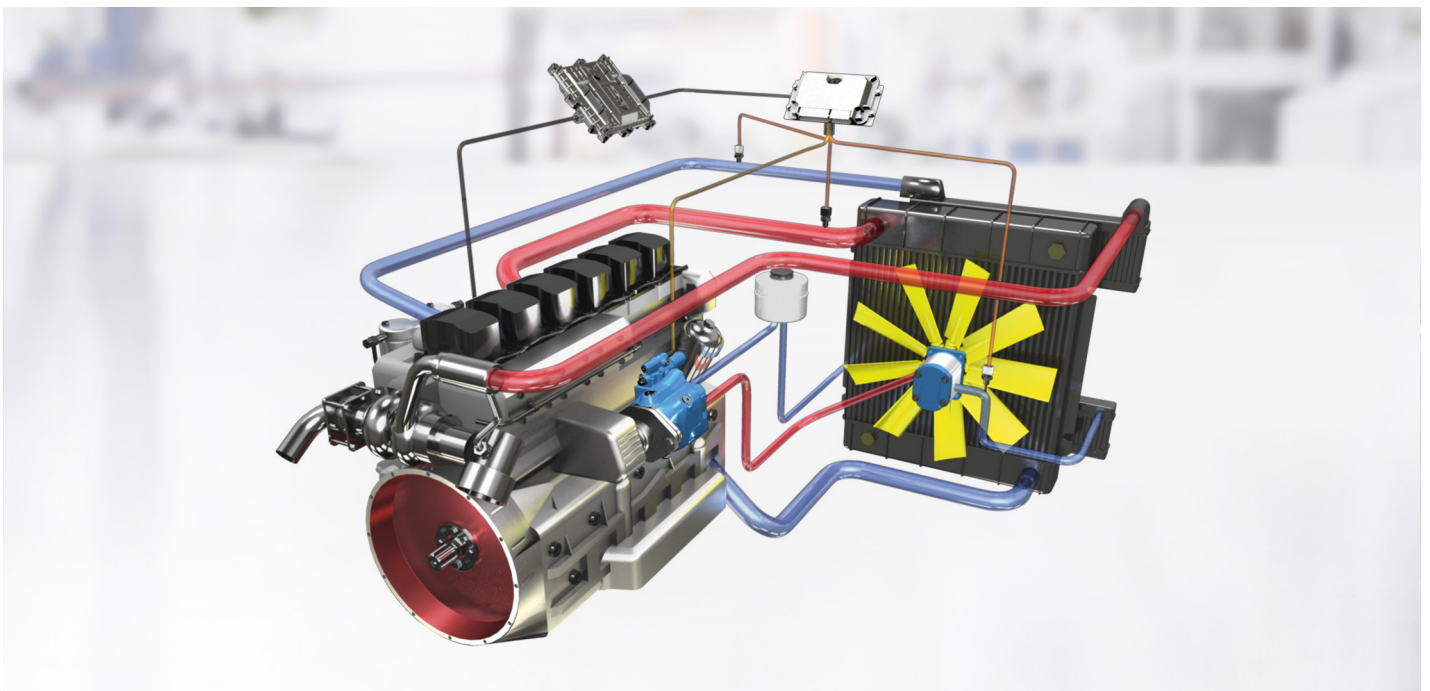
For order details regarding the GoTo products, see from page 110.

RE 90157/2023-10-01, Bosch Rexroth AG

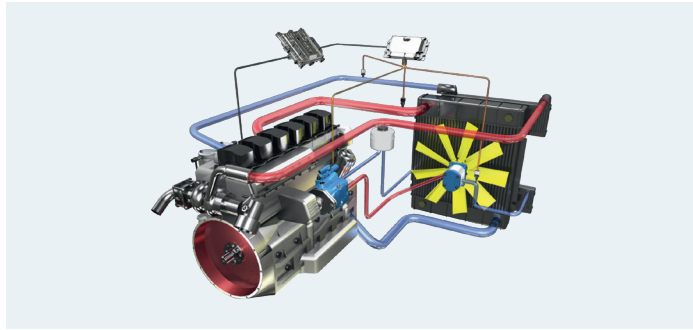
Systems

Hydrostatic fan drive systems

Electronically controlled hydrostatic fan drive systems from Rexroth reliably keep combustion engines at their optimum operating temperature, even under the most difficult of application conditions. This enables mobile equipment, buses and commercial vehicles to comply with strict emissions regulations for exhaust gas and noise. Rexroth system solutions with axial piston pumps, external gear motors, polymer and steel tanks, valve technology, sensors and mobile electronics provide exactly the cooling output needed, regardless of the speed of the combustion engine, and even reduce fuel consumption by up to five percent.



Hydrostatic fan drives



Features

- ▶ Stepless variable fan speed independent on the engine speed
- ▶ High fan power at low engine speeds
- ▶ Cooling on demand
- ▶ Fuel savings of up to 5 percent, working cyclus dependent
- ▶ Flexible layout of the system components
- ▶ Higher efficiency compared with other fan drive technologies

More detailed information:

Data sheets AZMF/AZMN: 14026, TMP: 95721

Data sheets TSF: 95180, TSA: 95181

Data sheets RC4-5/30: 95205, AFC30: 95362

- ▶ Fan power: 10 ... 30 kW
- ▶ Motor size: 8 ... 36 cm³
- ▶ Temperature sensors for fluids TSF and for air TSA respectively
- ▶ Volume of hydraulic tank: 8 liters
- ▶ BODAS controller
- ▶ AFC30 Fan control software

Product description

The task of a hydrostatic fan drive is to use controlled air movement to carry off the dissipated heat from the combustion engine arriving at the radiator. Here the drive serves to ensure optimal engine and combustion temperature. Intelligently controlled fan drive systems thereby help to maintain the legal emissions directives while saving energy. Controlled by highly developed sensors, they provide cooling based on the measured temperature to consistently reduce operating costs. No more or less cooling than needed – regardless of whether in on- or off-highway applications. Rexroth hydrostatic fan drives are used in a wide variety of applications – from agricultural and forestry equipment to construction machines and buses.

Technical data

Type	AZM	
Denomination	External gear motors	
Size	8 ... 36 cm³	
Continuous pressure	up to 250 bar	
Type	TMP	
Denomination	Hydraulic reservoir	
Total volume	8 l	
Flow rate	up to 90 l/min	
Type	TSF	TSA
Temperature sensor	for fluids	for air
Measuring range	-40 ... 150 °C	-30 ... 130 °C
Resistor temperature dependent	800 ... 2000 Ω	800 ... 1550 Ω
Protection class	IP65	IP64

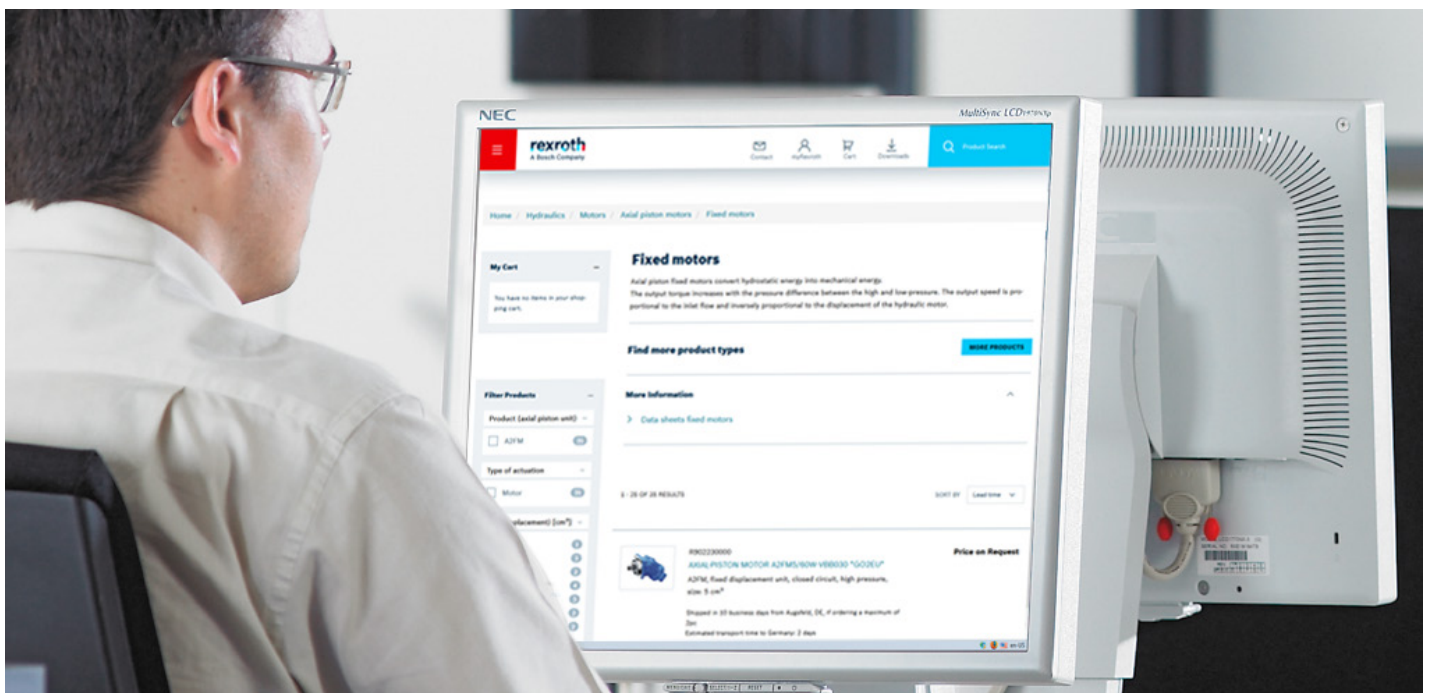
Type		RC4-5/30
Denomination	BODAS controller	
Inputs total	30	
PWM outputs	4	
Digital outputs	5	
Analog outputs	1	
CAN bus interfaces	2	
Type		AFC30
Denomination	Fan control software	
Features	Easily adjustable software package for demand-oriented control of cooling power Reversing operation, standstill function, CAN J1939 communication	

Order details

The following pages list all available GoTo products with their description and material number. In addition, the table provides the maximum order quantity and the delivery time.

GoTo axial piston adjustment devices are supplied with customer-neutral pressure adjustments. If they do not meet the customer requirements, the settings can be adjusted in a customer-specific form at authorized Rexroth subsidiaries or Rexroth dealers. In a service case, the units will then, in the plant, be reset to the original GoTo settings; so another pressure adjustment before installation might become necessary.

The settings can be selected for some versions of the A15VSO and must be specified when ordering, see page 80. The delivery time for this is 30 days.



Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
Pumps					
Axial piston pumps					
▼ A2FO series 70					
8	R902289928	A2FOM045/70NRVM4P6500-0 *GO2EU*	2	10	91405
	R902289929	A2FOM056/70NRVM4P6500-0 *GO2EU*	2	10	
	R902289930	A2FOM056/70NRVM4Z8500-0 *GO2EU*	2	10	
	R902289931	A2FOM063/70NRVM4P8500-0 *GO2EU*	2	10	
	R902289932	A2FOM080/70NRVN4P8500-0 *GO2EU*	2	10	
	R902289933	A2FOM080/70NRVN4Z9500-0 *GO2EU*	2	10	
	R902289934	A2FOM090/70NRVN4P9500-0 *GO2EU*	2	10	
	R902289935	A2FOM107/70NRVP4P9500-0 *GO2EU*	2	10	
	R902289936	A2FOM125/70NRVP4B1500-0 *GO2EU*	2	10	
▼ A2FO series 6x					
9	R902230046	A2FO10/61R-VAB06 – Painting: RAL9005	1	10	91401
	R902230048	A2FO12/61R-VAB06 – Painting: RAL9005	1	10	
	R902230050	A2FO16/61R-VAB06 – Painting: RAL9005	1	10	
	R902230054	A2FO28/61R-VPB05 – Painting: RAL9005	3	10	
	R902230055	A2FO28/61R-VAB05 – Painting: RAL9005	1	10	
	R902230056	A2FO32/61R-VAB05 – Painting: RAL9005	1	10	
	R902230057	A2FO32/61R-VBB05 – Painting: RAL9005	3	10	
	R902230058	A2FO45/61R-VPB05 – Painting: RAL9005	3	10	
	R902230059	A2FO56/61R-PPB05 – Painting: RAL9005	3	10	
	R902230061	A2FO63/61R-VBB05 – Painting: RAL9005	3	10	
	R902230063	A2FO80/61R-VPB05 – Painting: RAL9005	3	10	
	R902230064	A2FO80/61R-VAB05 – Painting: RAL9005	1	10	
	R902230065	A2FO90/61R-VBB05 – Painting: RAL9005	3	10	
	R902230047	A2FO107/61R-PPB05 – Painting: RAL9005	3	10	
	R902230049	A2FO125/61R-VBB05 – Painting: RAL9005	3	10	
	R902230051	A2FO160/61R-VPB05 – Painting: RAL9005	3	10	
	R902230052	A2FO180/61R-VBB05 – Painting: RAL9005	3	10	
	R902230053	A2FO200/63R-VBB05 – Painting: RAL9005	3	10	
▼ A17FO series 10					
10	R902162388	A17FO023/10NLWK0E81-0 – Painting: none	10	5	91520
	R902162390	A17FO032/10NLWK0E81-0 – Painting: none	10	5	
	R902162392	A17FO045/10NLWK0E81-0 – Painting: none	10	5	
	R902162394	A17FO063/10NLWK0E81-0 – Painting: none	10	5	
	R902162396	A17FO080/10NLWK0E81-0 – Painting: none	10	5	
	R902162398	A17FO107/10NLWK0E81-0 – Painting: none	10	5	
▼ A17FNO series 10					
11	R902162400	A17FNO125/10NLWK0E81-0 – Painting: none	10	5	91510
▼ A7VO series 63					
12	R902230092	A7VO28DR/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	92202
	R902230093	A7VO55DR/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	

⚠ These axial piston pumps cannot be ordered via Rexroth Store at present.

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
12	R902230094	A7VO55DR/63R-NZB01 – Painting: RAL9005 / setting: DR=350bar	3	10	92202
	R902230095	A7VO80DR/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	
	R902230087	A7VO107DR/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	
	R902230089	A7VO160DR/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	
	R902230091	A7VO160EP2/63R-NPB01 – Painting: RAL9005 / setting: DR=350bar	3	10	
▼ A11VO series 1					
13	R902228074	A11VO40DRS/10L-NSC12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	92500
	R902228075	A11VO40DRS/10R-NSC12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
	R902228076	A11VO60DRS/10L-NSC12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
	R902228077	A11VO60DRS/10R-NSC12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
	R902228079	A11VO75DRS/10R-NSD12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
	R902228080	A11VO95DRS/10L-NSD12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
	R902228081	A11VO95DRS/10R-NSD12N00 – Painting: RAL9005 / setting: DR=350bar, LS=18bar	3	10	
▼ A18VO series 11					
14	R902202038	A18VO055DRS00/11NLWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	92270
	R902191846	A18VO055DRS00/11NRWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	
	R902207689	A18VO080DRS00/11NLWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	
	R902207688	A18VO080DRS00/11NRWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	
	R902191759	A18VO107DRS00/11NLWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	
	R902191760	A18VO107DRS00/11NRWK0E810-0 Painting: none / setting: DR=350bar, LS=30bar	10	5	
	R902247052	A18VO055DRS00/11NRWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	
	R902247053	A18VO055DRS00/11NLWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	
	R902230085	A18VO080DRS00/11NLWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	
	R902230086	A18VO080DRS00/11NRWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	
	R902230083	A18VO107DRS00/11NLWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	
	R902230084	A18VO107DRS00/11NRWK0E810-0 – Painting: RAL9005 / setting: DR=350bar, LS=30bar	3	10	

⚠ These axial piston pumps cannot be ordered via Rexroth Store at present.

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
▼ A4VG series 32					
23	R902289894	A4VG71EP4DMT1/32R-NSF02F021DP-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	92003
	R902289895	A4VG90EP4DMT1/32R-NSF02F071DP-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	
	R902289896	A4VG125EP4DMT1/32R-NZF02F071DP-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	
▼ A4VG series 40					
24	R902290597	A4VG175EP4DPRB0/40MRNE4A21FC2S7BD00-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	92004
	R902290598	A4VG210EP4DPRB0/40MRNE4T22BB2S4BD00-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	
	R902289893	A4VG280EP4DPRB0/40MRNE4A31FC2S7BD00-S Painting: none / setting: pressure cut-off = 300 bar, p_{Sp} = 25 bar	2	10	
▼ A1VO series 10 (Standard ordering process Horb plant)					
	R902560657	A1VO028DRS0C200/10BRVA2S41000000-0 Painting: none / setting: DR=250bar, LS=14bar (3200 rpm)	2	10	92650
	R902560658	A1VO028DRS0C200/10BLVA2S41000000-0 Painting: none / setting: DR=250bar, LS=14bar (3200 rpm)	2	10	
	R902560660	A1VO028DRS0C200/10MRVA2S41000000-0 Painting: none / setting: DR=250bar, LS=14bar (3200 rpm)	2	10	
	R902560662	A1VO028DRS0C200/10MLVA2S41000000-0 Painting: none / setting: DR=250bar, LS=14bar (3200 rpm)	2	10	
	R902552478	A1VO035DRS0C200/10BRVB2S51000000-0 Painting: none / setting: DR=250bar, LS=14bar (3000 rpm)	2	10	
	R902552479	A1VO035DRS0C200/10BLVB2S51000000-0 Painting: none / setting: DR=250bar, LS=14bar (3000 rpm)	2	10	
	R902552480	A1VO035DRS0C200/10MRVB2S51000000-0 Painting: none / setting: DR=250bar, LS=14bar (3000 rpm)	2	10	
	R902552481	A1VO035DRS0C200/10MLVB2S51000000-0 Painting: none / setting: DR=250bar, LS=14bar (3000 rpm)	2	10	
▼ A10VO series 52					
16	R902540902	A10VO28DFR1/52R-VSC12K01 – Painting: none / setting: DR=250bar, LS=14bar	3	10	92703
	R902540903	A10VO45DFR1/52R-VSC12K01 – Painting: none / setting: DR=250bar, LS=14bar	3	10	
▼ A4VSO series 10 und 3x (Standard ordering process Horb plant)					
	R902425180	A A4VSO 40 DR /10R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902428113	A A4VSO 40 DRG /10R-VPB13N00 Painting: none / presetting: GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902564081	A A4VSO 40 HS5EV /10R-PZB25N00 customer specific settings on request	2	20	92050 + 92076
	R902424889	A A4VSO 71 DR /10R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
17	R902491300	A A4VSO 71 DR /10R-FPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902426240	A A4VSO 71 DRG /10R-VPB13N00 Painting: none: presetting GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902569938	A A4VSO 71 HS5EV /10R-PZB13N00 customer specific settings on request	2	20	92050 + 92076
	R910999362	A A4VSO 125 DR /30R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902438020	A A4VSO 125 DR /30R-FPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902407241	A A4VSO 125 DRG /30R-VPB13N00 Painting: none / presetting: GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902569939	A A4VSO 125 HS5E /30R-VZB25U99 customer specific settings on request	2	20	92050 + 92076
	R902404170	A A4VSO 180 DR /30R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902437379	A A4VSO 180 DR /30R-FPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902405410	A A4VSO 180 DRG /30R-VPB13N00 Painting: none / presetting: GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902577146	A A4VSO 180 LR2G /30R-PPB13N00 Painting: none / presetting: P=45 kW, GR=20 bar (1500 rpm), customer specific settings on request			92050 + 92064
	R902569940	A A4VSO 190 HS5E /30R-VZB25U99 customer specific settings on request	2	20	92050 + 92076
	R910988701	A A4VSO 250 DR /30R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902431807	A A4VSO 250 DR /30R-FPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902405409	A A4VSO 250 DRG /30R-VPB13N00 Painting: none / presetting: GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902577201	A A4VSO 250 LR2G /30R-PPB13N00 Painting: none / presetting: P=45 kW, GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92064
	R902577202	A A4VSO 250 LR2N /30R-PPB13N00 Painting: none / presetting: P=45 kW (1500 rpm), customer specific settings on request	2	20	92050 + 92064
	R902569941	AH A4VSO 260 HS5E /30R-VZB25U99 customer specific settings on request	2	20	92050 + 92076

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
17	R902412724	A A4VSO 355 DR /30R-VPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902479386	A A4VSO 355 DR /30R-FPB13N00 Painting: none / presetting: DR=350 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902405663	A A4VSO 355 DRG /30R-VPB13N00 Painting: none / presetting: GR=20 bar (1500 rpm), customer specific settings on request	2	20	92050 + 92060
	R902569937	AH A4VSO 370 HS5E /30R-VZB25U99 customer specific settings on request	2	20	92050 + 92076
	R902563513	A A4VSO 500 HS5 /30R-PPH25N00 customer specific settings on request	2	20	92050 + 92076
▼ A15VSO series 12 (Standard ordering process Horb plant)					
18	R902583295	A15VSO110PLRDRS0A0V/12MRVD4A1EU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	92802
	R902557593	A15VSO110PLRDRE2AHV/12MRVD4A1EU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	
	R902581189	A15VSO145PLRDRS0A0V/12MRVD4A2PU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	
	R902581188	A15VSO145PLRDRE2AHV/12MRVD4A2PU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	
	R902580627	A15VSO175PLRDRS0A0V/12MRVE4A2PU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	
	R902583053	A15VSO175PLRDRE2AHV/12MRVE4A2PU0000-0 Painting: none / setting: DR=350bar, LR=30kW (1500 rpm)	2	20	
	R902583263	A15VSO210PLRDRS0A0V/12MRVE4A2PU0000-0 Painting: none / setting: DR=350bar, LR=45kW (1500 rpm) LS=14 bar	2	20	
	R902583258	A15VSO210PLRDRE2AHV/12MRVE4A2PU0000-0 Painting: none / setting: DR=350bar, LR=45kW (1500 rpm)	2	20	
	R902557595	A15VSO280PLRDRS0A0V/12MRVE4A4PU0000-0 Painting: none / setting: DR=350bar, LR=45kW (1500 rpm) LS=14 bar	2	20	
	R902557594	A15VSO280PLRDRE2AHV/12MRVE4A4PU0000-0 Painting: none / setting: DR=350bar, LR=45kW (1500 rpm)	2	20	
	R902557596	A15VLO280PLRDRE2AH0/12MRVE4A4PU0000-0 Painting: none / setting: DR=350bar, LR=45kW (1500 rpm)	2	20	
▼ A10VSO series 32 (Standard ordering process Horb plant)					
19	R902566714	A10VSO 45 DRS /32R-VSB32U00E – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	92714
	R902566718	A10VSO 45 LA6DS/32R-VSB32U00E – Painting: none / setting: DR=250bar, LR=11kW (1500 rpm)	2	10	
	R902566713	A10VSO 71 DRS /32R-VSB32U00E – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566717	A10VSO 71LA6DS/32R-VSB32U00E – Painting: none / setting: DR=250bar, LR=15kW (1500 rpm)	2	10	

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
19	R902566712	A10VSO100 DRS/32R-VSB32U00E – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	92714
	R902566716	A10VSO100LA6DS/32R-VSB32U00E – Painting: none / setting: DR=250bar, LR=22kW (1500 rpm)	2	10	
	R902566711	A10VSO140 DRS /32R-VSB32U00E – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566715	A10VSO140 LA7DS/32R-VSB32U00E – Painting: none / setting: DR=250bar, LR=37kW (1500 rpm)	2	10	
	R902577430	A10VSO140 DRS /32R-VPB12N00 GOEU – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902577431	A10VSO140 DR /32R-VPB12N00 GOEU – Painting: none / setting: DR=280bar (1500 rpm)	2	10	
	R902577432	A10VSO140LA6DS/32R-VPB12N00 GOEU – Painting: none / setting: DR=280bar, LR=30kW (1500 rpm)	2	10	
	R902577433	A10VSO140 DRS /32R-VPB12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R902577434	A10VSO140 DR /32R-VPB12N00 – Painting: none / setting: DR=280bar (1500 rpm)	3	30	
	R902577435	A10VSO140 DRG /32R-VPB12N00 – Painting: none / setting: LS=20bar (1500 rpm)	3	30	
	R902577436	A10VSO140LA6DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=22kW, LS=14bar (1500 rpm)	3	30	
	R902577437	A10VSO140LA6DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=30kW, LS=14bar (1500 rpm)	3	30	
	R902577438	A10VSO140LA7DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=37kW, LS=14bar (1500 rpm)	3	30	
	R902577439	A10VSO140LA7DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=45kW, LS=14bar (1500 rpm)	3	30	
	R902577440	A10VSO140LA7DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=55kW, LS=14bar (1500 rpm)	3	30	
	R902577441	A10VSO140LA8DS/32R-VPB12N00 – Painting: none / setting: DR=280bar, LR=75kW, LS=14bar (1500 rpm)	3	30	
▼ A10VSO series 31 (Standard ordering process Horb plant)					
20	R902566699	A10VSO 18 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	92711
	R902566705	A10VSO 18 DR /31R-VPA12N00 – Painting: none / setting: DR=280bar (1500 rpm)	2	10	
	R910991846	A10VSO 18 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910999932	A10VSO 18 DFR1/31R-VPA12K01 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910947277	A10VSO 18 DR/31R-VPA12N00 – Painting: none / setting: DR=280bar (1500 rpm)	3	30	
	R910948472	A10VSO 18 DRG/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R910965070	A10VSO 18 DRG /31R-VPA12K01 – Painting: none / setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R902566698	A10VSO 28 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566704	A10VSO 28 DR /31R-VPA12N00 – Painting: none / setting: DR=280bar (1500 rpm)	2	10	

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
20	R902566710	A10VSO 28 DFLR/31R-VPA12N00 – Painting: none / setting: DR=250bar, LR=7,5kW (1500 rpm)	2	10	92711
	R910916805	A10VSO 28 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R902474194	A10VSO 28 DFR1/31R-VPA12K01 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910907369	A10VSO 28 DR/31R-VPA12N00 – Painting: none / Setting: DR=280bar (1500 rpm)	3	30	
	R910930703	A10VSO 28 DRG/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R902431762	A10VSO 28 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=5,5kW, LS=14bar (1500 rpm)	3	30	
	R902460921	A10VSO 28 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=7,5kW, LS=14bar (1500 rpm)	3	30	
	R910939243	A10VSO 28 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=11kW, LS=14bar (1500 rpm)	3	30	
	R902460920	A10VSO 28 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=15kW, LS=14bar (1500 rpm)	3	30	
	R902566697	A10VSO 45 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566703	A10VSO 45 DR /31R-VPA12N00 – Painting: none / setting: DR=280bar (1500 rpm)	2	10	
	R902566709	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / setting: DR=250bar, LR=11kW (1500 rpm)	2	10	
	R910967365	A10VSO 45 DFR1/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910999959	A10VSO 45 DFR1/31R-VPA12K01 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910916629	A10VSO 45 DR/31R-VPA12N00 – Painting: none / Setting: DR=280bar (1500 rpm)	3	30	
	R910933588	A10VSO 45 DRG/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R902443895	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=7,5kW, LS=14bar (1500 rpm)	3	30	
	R910998786	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=11kW, LS=14bar (1500 rpm)	3	30	
	R902460922	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=15kW, LS=14bar (1500 rpm)	3	30	
	R910983785	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=18kW, LS=14bar (1500 rpm)	3	30	
	R902411500	A10VSO 45 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LR=22,5kW, LS=14bar (1500 rpm)	3	30	
	R902566696	A10VSO 71 DFR1/31R-VPA42N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566702	A10VSO 71 DR /31R-VPA42N00 – Painting: none / setting: DR=280bar (1500 rpm)	2	10	
	R902566708	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / setting: DR=250bar, LR=15kW (1500 rpm)	2	10	
	R902473184	A10VSO 71 DFR1/31R-VPA42N00 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
20	R902482660	A10VSO 71 DR/31R-VPA42N00 – Painting: none / Setting: DR=280bar (1500 rpm)	3	30	92711
	R902491401	A10VSO 71 DRG/31R-VPA42N00 – Painting: none / Setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R902478842	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / Setting: DR=250bar, LR=11kW, LS=14bar (1500 rpm)	3	30	
	R902474464	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / Setting: DR=250bar, LR=15kW, LS=14bar (1500 rpm)	3	30	
	R902489069	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / Setting: DR=250bar, LR=18,5kW, LS=14bar (1500 rpm)	3	30	
	R902478843	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / Setting: DR=250bar, LR=22kW, LS=14bar (1500 rpm)	3	30	
	R902480016	A10VSO 71 DFLR/31R-VPA42N00 – Painting: none / Setting: DR=250bar, LR=30kW, LS=14bar (1500 rpm)	3	30	
	R902478838	A10VSO 71 DFR1/31R-VPA42K01 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R902566695	A10VSO100 DFR1/31R-VPA12N00 – Painting: none / setting: DR=280bar, LS=14bar (1500 rpm)	2	10	
	R902566701	A10VSO100 DR /31R-VPA12N00 – Painting: none / setting: DR=280bar (1500 rpm)	2	10	
	R902566707	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / setting: DR=250bar, LR=22kW (1500 rpm)	2	10	
	R910920847	A10VSO100 DFR1/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LS=14bar (1500 rpm)	3	30	
	R910916809	A10VSO100 DR/31R-VPA12N00 – Painting: none / Setting: DR=280bar (1500 rpm)	3	30	
	R910930899	A10VSO100 DRG/31R-VPA12N00 – Painting: none / Setting: DR=280bar, LS=20bar (1500 rpm)	3	30	
	R910973045	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=15kW, LS=14bar (1500 rpm)	3	30	
	R902563993	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=18,5kW, LS=14bar (1500 rpm)	3	30	
	R902460463	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=22kW, LS=14bar (1500 rpm)	3	30	
	R902472836	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=37kW, LS=14bar (1500 rpm)	3	30	
	R902521441	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=45kW, LS=14bar (1500 rpm)	3	30	
	R910960130	A10VSO100 DFLR/31R-VPA12N00 – Painting: none / Setting: DR=250bar, LR=55kW, LS=14bar (1500 rpm)	3	30	
▼ A10FZO series 10 (Standard ordering process Horb plant)					
21	R902546689	A10FZO003/10R-VSC02N00 – Painting: none	3	30	91485
	R902544386	A10FZO006/10R-VSC02N00 – Painting: none	3	30	
	R902518485	A10FZO008/10R-VSC02N00 – Painting: none	3	30	
	R902518486	A10FZO010/10R-VSC02N00 – Painting: none	3	30	
	R902551828	A10FZO012/10R-VRC02N00 – Painting: none	3	30	

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
21	R902544053	A10FZO014/10R-VRC02N00 – Painting: none	3	30	91485
	R902544054	A10FZO016/10R-VRC02N00 – Painting: none	3	30	
	R902544056	A10FZO018/10R-VRC02N00 – Painting: none	3	30	
	R902564368	A10FZO021/10R-VRC02N00 – Painting: none	3	30	
	R902557864	A10FZO022/10R-VRC02N00 – Painting: none	3	30	
	R902557865	A10FZO023/10R-VRC02N00 – Painting: none	3	30	
	R902557866	A10FZO025/10R-VRC02N00 – Painting: none	3	30	
	R902557867	A10FZO026/10R-VRC02N00 – Painting: none	3	30	
	R902557868	A10FZO027/10R-VRC02N00 – Painting: none	3	30	
	R902534669	A10FZO028/10R-VRC02N00 – Painting: none	3	30	
	R902557869	A10FZO032/10R-VRC02N00 – Painting: none	3	30	
	R902557870	A10FZO035/10R-VRC02N00 – Painting: none	3	30	
	R902557871	A10FZO037/10R-VRC02N00 – Painting: none	3	30	
	R902557872	A10FZO039/10R-VRC02N00 – Painting: none	3	30	
	R902557873	A10FZO040/10R-VRC02N00 – Painting: none	3	30	
	R902557874	A10FZO041/10R-VRC02N00 – Painting: none	3	30	
	R902557875	A10FZO042/10R-VRC02N00 – Painting: none	3	30	
	R902548015	A10FZO045/10R-VRC02N00 – Painting: none	3	30	
	R902557876	A10FZO051/10R-VRC02N00 – Painting: none	3	30	
	R902557877	A10FZO058/10R-VRC02N00 – Painting: none	3	30	
	R902550737	A10FZO063/10R-VRC02N00 – Painting: none	3	30	
▼ A10FZG series 10 (Standard ordering process Horb plant)					
21	R902544378	A10FZG003/10W-VSC02N00 – Painting: none	3	30	91485
	R902544475	A A10FZG006/10W-VSC02N00 – Painting: none	3	30	
	R902544393	A A10FZG008/10W-VSC02N00 – Painting: none	3	30	
	R902544389	A A10FZG010/10W-VSC02N00 – Painting: none	3	30	

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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
21	R902530960	A10FZG012/10W-VRC02N00 – Painting: none	3	30	91485
	R902530961	A10FZG014/10W-VRC02N00 – Painting: none	3	30	
	R902530962	A10FZG016/10W-VRC02N00 – Painting: none	3	30	
	R902530963	A10FZG018/10W-VRC02N00 – Painting: none	3	30	
	R902536290	A10FZG021/10W-VRC02N00 – Painting: none	3	30	
	R902557896	A10FZG022/10W-VRC02N00 – Painting: none	3	30	
	R902557897	A10FZG023/10W-VRC02N00 – Painting: none	3	30	
	R902557898	A10FZG025/10W-VRC02N00 – Painting: none	3	30	
	R902557899	A10FZG026/10W-VRC02N00 – Painting: none	3	30	
	R902557900	A10FZG027/10W-VRC02N00 – Painting: none	3	30	
	R902534818	A10FZG028/10W-VRC02N00 – Painting: none	3	30	

▼ **A10VZO series 10 (Standard ordering process Horb plant)**

22	R902557878	A10VZO003EZ400/10R-VSC14N00H – Painting: none / Setting: DR=250bar, Vgmax=3ccm, Vgmin=1ccm (3600 rpm)	3	30	91485
	R902557885	A10VZO003DR000/10R-VSC14N000 – Painting: none / Setting: DR=250bar, Vgmax=3ccm, Vgmin=0ccm (3600 rpm)	3	30	
	R902557879	A10VZO006EZ400/10R-VSC14N00H – Painting: none / Setting: DR=250bar, Vgmax=6ccm, Vgmin=1ccm (3600 rpm)	3	30	
	R902557886	A10VZO006DR000/10R-VSC14N000 – Painting: none / Setting: DR=250bar, Vgmax=6ccm, Vgmin=0ccm (3600 rpm)	3	30	
	R902557880	A10VZO008EZ400/10R-VSC14N00H – Painting: none / Setting: DR=250bar, Vgmax=8ccm, Vgmin=2ccm (3600 rpm)	3	30	
	R902557887	A10VZO008DR000/10R-VSC14N000 – Painting: none / Setting: DR=250bar, Vgmax=8ccm, Vgmin=0ccm (3600 rpm)	3	30	
	R902544384	A10VZO010EZ400/10R-VSC14N00H – Painting: none / Setting: DR=250bar, Vgmax=10ccm, Vgmin=2ccm (3600 rpm)	3	30	
	R902557888	A10VZO010DR000/10R-VSC14N000 – Painting: none / Setting: DR=250bar, Vgmax=10ccm, Vgmin=0ccm (3600 rpm)	3	30	
	R902544060	A10VZO018EZ400/10R-VRC12N00H – Painting: none / Setting: DR=315bar, Vgmax=18ccm, Vgmin=4ccm (3300 rpm)	3	30	
	R902557889	A10VZO018DR000/10R-VRC12N000 – Painting: none / Setting: DR=315bar, Vgmax=18ccm, Vgmin=0ccm (3300 rpm)	3	30	
	R902547871	A10VZO028EZ400/10R-VRC12N00H – Painting: none / Setting: DR=315bar, Vgmax=28ccm, Vgmin=6ccm (3000 rpm)	3	30	
	R902557890	A10VZO028DR000/10R-VRC12N000 – Painting: none / Setting: DR=315bar, Vgmax=28ccm, Vgmin=0ccm (3000 rpm)	3	30	
	R902548677	A10VZO045EZ400/10R-VRD12N00H – Painting: none / Setting: DR=315bar, Vgmax=45ccm, Vgmin=9ccm (3000 rpm)	3	30	
	R902557891	A10VZO045DR000/10R-VRD12N000 – Painting: none / Setting: DR=315bar, Vgmax=45ccm, Vgmin=0ccm (3000 rpm)	3	30	

 These axial piston pumps cannot be ordered via Rexroth Store at present.

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
22	R902557881	A10VZO071EZ400/10R-VRD12N00H – Painting: none / Setting: DR=280bar, Vgmax=71ccm, Vgmin=15ccm (2550 rpm)	3	30	91485
	R902557892	A10VZO071DR000/10R-VRD12N000 – Painting: none / Setting: DR=280bar, Vgmax=71ccm, Vgmin=0ccm (2550 rpm)	3	30	
	R902557882	A10VZO100EZ400/10R-VSD12N00H – Painting: none / Setting: DR=280bar, Vgmax=100ccm, Vgmin=20ccm (2300 rpm)	3	30	
	R902557893	A10VZO100DR000/10R-VSD12N000 – Painting: none / Setting: DR=280bar, Vgmax=100ccm, Vgmin=0ccm (2300 rpm)	3	30	
	R902557883	A10VZO140EZ400/10R-VSD12N00H – Painting: none / Setting: DR=280bar, Vgmax=140ccm, Vgmin=28ccm (2200 rpm)	3	30	
	R902557894	A10VZO140DR000/10R-VSD12N000 – Painting: none / Setting: DR=280bar, Vgmax=140ccm, Vgmin=20ccm (2200 rpm)	3	30	

Axial piston pumps A15VSO (Standard ordering process Horb plant)

Type code according to data sheet 92802

Description type code	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
			

Type code according to data sheet 92802

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20		
A15V	SO	110	P						V	/	12	M	R	V	D4		E	U000	0	-	0
A15V	SO	145	P						V	/	12	M	R	V	D4		P	U000	0	-	0
A15V	SO	175	P						V	/	12	M	R	V	E4		P	U000	0	-	0
A15V	SO	210	P						V	/	12	M	R	V	E4		P	U000	0	-	0
A15V	SO	280	P						V	/	12	M	R	V	E4		P	U000	0	-	0
1/week																		30			92802
1/week																		30			
1/week																		30			
1/week																		30			
1/week																		30			

Please select the freely selectable fields (☐) according to the type code in the data sheet 92802.

The following information is required when ordering and must be specified depending on the selected control device (position 05 to 07):

Setting range		
$V_{g\ max}$	Geometric displacement	[cm³]
p_{nom}	Nominal pressure	[bar]
p_{max}	Maximum pressure	[bar]
P	Power	[kW]
n_{nom}	Rotational speed	[min ⁻¹]
q_v	Flow	[l/min]

 These axial piston pumps cannot be ordered via Rexroth Store at present.

Page	Material num- ber	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
External gear pump					
▼ AZPB					
25	0510010008	AZPB-32-1.0RCP02MB	5	5	10088
	0510020003	AZPB-32-1.0RHO01MB	5	5	
	0510110017	AZPB-32-2.0RCP02MB	5	5	
	0510120020	AZPB-32-2.0RHO01MB	5	5	
	0510110018	AZPB-32-2.5RCP02MB	5	5	
	0510120021	AZPB-32-2.5RHO01MB	5	5	
	0510112014	AZPB-32-3.1RCP02MB	5	5	
	0510120022	AZPB-32-3.1RHO01MB	5	5	
	0510114018	AZPB-32-4.0RCP02MB	5	5	
	0510120023	AZPB-32-4.0RHO01MB	5	5	
	0510114019	AZPB-32-4.5RCP02MB	5	5	
	0510120024	AZPB-32-4.5RHO01MB	5	5	
	0510114020	AZPB-32-5.0RCP02MB	5	5	
	0510120025	AZPB-32-5.0RHO01MB	5	5	
	0510122012	AZPB-32-6.3RCP02MB	5	5	
	0510120026	AZPB-32-6.3RHO01MB	5	5	
	0510122013	AZPB-32-7.1RCP02MB	5	5	
	0510120027	AZPB-32-7.1RHO01MB	5	5	
▼ AZPF					
26	0510215307	AZPF-12-004LNT20MB	5	5	10089
	0510225006	AZPF-12-004RCB20KB	5	5	
	0510225013	AZPF-10-004RRR20MB	5	5	
	0510225022	AZPF-12-004RHO30PB	5	5	
	0510225023	AZPF-11-004RAB01MB	5	5	
	0510225306	AZPF-10-004LCB20MB	5	5	
	0510315305	AZPF-12-005LNT20MB	5	5	
	0510315307	AZPF-10-005LCP20MB-S0007	5	5	
	0510325006	AZPF-10-005RCB20MB	5	5	
	0510325013	AZPF-11-005RRR20MB	5	5	
	0510325023	AZPF-11-005RRR20KB-S0023	5	5	
	0510325025	AZPF-12-005RHO30KB	5	5	
	0510325026	AZPF-11-005RAB1MB	5	5	
	0510325306	AZPF-10-005LCB20MB	5	5	
	0510415311	AZPF-10-008LCN20MB	5	5	
	0510415314	AZPF-12-008LNT20MB	5	5	
	0510415316	AZPF-11-008LCP20KB-S0007	5	5	
	0510425009	AZPF-10-008RCB20MB	5	5	
	0510425020	AZPF-10-008RRR20MB	5	5	
	0510425022	AZPF-12-008RCB20KB	5	5	
	0510425032	AZPF-11-008RHO30PB-S0285	5	5	
	0510425041	AZPF-11-008RRR20KB-S0023	5	5	
	0510425043	AZPF-12-008RHO30KB	5	5	

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26	0510425044	AZPF-11-008RAB1MB	5	5	10089
	0510425307	AZPF-10-008LCB20MB	5	5	
	0510425314	AZPF-12-008LRR20KB	5	5	
	0510515309	AZPF-12-011LCP20KB-S0007	5	5	
	0510515311	AZPF-12-011LNT20MB	5	5	
	0510515323	AZPF-11-011LCP20MB-S0007	5	5	
	0510515347	AZPF-10-011LFP20PB-S0003	5	5	
	0510525009	AZPF-10-011RCB20MB	5	5	
	0510525011	AZPF-10-011RHO30MB	5	5	
	0510525019	AZPF-12-011RRR20MB	5	5	
	0510525022	AZPF-12-011RCB20MB	5	5	
	0510525046	AZPF-10-011RHO30PB-S0285	5	5	
	0510525072	AZPF-11-011RRR20KB-S0023	5	5	
	0510525074	AZPF-12-011RHO30KB	5	5	
	0510525311	AZPF-10-011LCB20MB	5	5	
	0510525324	AZPF-11-011LRR20KB	5	5	
	0510525339	AZPF-11-011LHX30KB-S0135	5	5	
	0510525357	AZPF-10-011LHO30PB-S0285	5	5	
	0510515316	AZPF-11-014LCP20KB-S0007	5	5	
	0510515328	AZPF-10-014LCP20MB-S0288	5	5	
	0510515346	AZPF-12-014LFP20PB-S0003	5	5	
	0510515353	AZPF-10-014LHXXXMB-S0041	5	5	
	0510525018	AZPF-10-014RCB20MB	5	5	
	0510525020	AZPF-10-014RRR20MB	5	5	
	0510525073	AZPF-11-014RRR20KB-S0023	5	5	
	0510525342	AZPF-11-014LHX30KB-S0135	5	5	
	0510525348	AZPF-10-014LHO30PB-S0285	5	5	
	0510615315	AZPF-12-016LNT20MB	5	5	
	0510615317	AZPF-11-016LCP20KB-S0007	5	5	
	0510615326	AZPF-11-016LCP20MB-S0007	5	5	
	0510615333	AZPF-11-016LCP20KB-S0007	5	5	
	0510615354	AZPF-10-016LFP20PB-S0003	5	5	
	0510625022	AZPF-10-016RCB20MB	5	5	
	0510625028	AZPF-12-016RRR20MB	5	5	
	0510625071	AZPF-11-016RRR20KB-S0023	5	5	
	0510625075	AZPF-12-016RHO30KB	5	5	
	0510625077	AZPF-11-016RAB01MB	5	5	
	0510625095	AZPF-11-016RRR20KB	5	5	
	0510625315	AZPF-10-016LCB20MB	5	5	
	0510625341	AZPF-10-016LHO30KB	5	5	
	0510625371	AZPF-12-016LFB20PB-S0019	5	5	
	0510615318	AZPF-10-019LCP20KB-S0007	5	5	
	0510615321	AZPF-12-019LNT20MB	5	5	
	0510615338	AZPF-11-019LCP20PB-S0007	5	5	
	0510615353	AZPF-10-019LFP20PB-S0003	5	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
26	0510625013	AZPF-10-019RCB20MB	5	5	10089
	0510625029	AZPF-12-019RRR20KB	5	5	
	0510625055	AZPF-11-019RCR20KB	5	5	
	0510625063	AZPF-10-019RHO30PB-S0285	5	5	
	0510625072	AZPF-11-019RRR20KB-S0023	5	5	
	0510625314	AZPF-10-019LCB20MB	5	5	
	0510625362	AZPF-10-019LHO30PB-S0285	5	5	
	0510715008	AZPF-22-022RFP20PB	5	5	
	0510715306	AZPF-12-022LCP20KB-S0007	5	5	
	0510725030	AZPF-12-022RCB20KB	5	5	
	0510725045	AZPF-21-022RRR20MB	5	5	
	0510725077	AZPF-12-022RRR20KB	5	5	
	0510725102	AZPF-11-022RRR20KB-S0023	5	5	
	0510745015	AZPF-10-022RSG20PB-S0012	5	5	
	0510725085	AZPF-10-025RHO30PB-S0285	5	5	
	R919000474	AZPFB-12-004/1.0RCB2002KB-S9997	2	10	
	R919000453	AZPFB-12-004/1.0RCB2002KB-S9999	2	10	
	R919000550	AZPFB-12-004/1.0RCB2002KB-S9999	2	10	
	R919000551	AZPFB-12-004/1.0RCB2002KB-S9999	2	10	
	R919000533	AZPFB-12-004/2.0RCB2002KB-S9997	2	10	
	R919000559	AZPFB-12-004/2.0RRR2002KB-S9997	2	10	
	R919000462	AZPFB-12-004/2.5RHO3002KB-S9997	2	10	
	R919000599	AZPFB-12-004/2.5RHO3002KB-S9997	2	10	
	R919000510	AZPFB-12-004/3.1RCB2002KB-S9997	2	10	
	R919000530	AZPFB-12-005/1.0RCB2002KB-S9997	2	10	
	R919000415	AZPFB-12-005/2.0RCB2002KB-S9997	2	10	
	R919000553	AZPFB-12-005/2.0RCB2002KB-S9997	2	10	
	R919000558	AZPFB-12-005/2.0RRR2002KB-S9997	2	10	
	R919000477	AZPFB-12-005/2.5RHO3002KB-S9997	2	10	
	R919000457	AZPFB-12-005/3.1RCB2002KB-S9997	2	10	
	R919000560	AZPFB-12-005/3.1RRR2002KB-S9997	2	10	
	R919000582	AZPFB-12-008/1.0RHO3002KB-S9999	2	10	
	R919000503	AZPFB-12-008/2.0RHO3002KB-S9997	2	10	
	R919000466	AZPFB-12-008/2.5RCB2002KB-S9997	2	10	
	R919000534	AZPFB-12-008/2.5RCB2002KB-S9999	2	10	
	R919000455	AZPFB-12-008/3.1LRR2002KB-S9999	2	10	
	R919000449	AZPFB-12-008/3.1RCB2002KB-S9997	2	10	
	R919000587	AZPFB-12-008/3.1RCB2002KB-S9997	2	10	
	R919000557	AZPFB-12-008/3.1RRR2002KB-S9997	2	10	
	R919000584	AZPFB-12-011/1.0LRR2002KB-S9997	2	10	
	R919000555	AZPFB-12-011/1.0RRR2002KB-S9997	2	10	
	R919000581	AZPFB-12-011/2.0RCB2002KB-S9997	2	10	
	R919000618	AZPFB-12-011/2.5RHO3002KB-S9997	2	10	
	R919000604	AZPFB-12-011/3.1LCB2002KB-S9997	2	10	
	R919000446	AZPFB-12-011/3.1LRR2002KB-S9999	2	10	
	R919000476	AZPFB-12-011/3.1RCB2002KB-S9997	2	10	

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26	R919000556	AZPFB-12-011/3.1RRR2002KB-S9997	2	10	10089
	R919000592	AZPFB-12-014/1.0RCB2002KB-S9997	2	10	
	R919000567	AZPFB-12-014/2.5RHO3002KB-S9999	2	10	
	R919000525	AZPFB-12-016/1.0RCB2002KB-S9997	2	10	
	R919000445	AZPFB-12-016/2.0RCB2002KB-S9997	2	10	
	R919000588	AZPFB-12-016/2.0RCB2002KB-S9997	2	10	
	R919000583	AZPFB-12-016/2.0RHO3002KB-S9997	2	10	
	R919000492	AZPFB-12-016/3.1RCB2002KB-S9997	2	10	
	R919000543	AZPFB-12-016/4.0RCB2002KB-S9997	2	10	
	R919000493	AZPFB-22-019/1.0RCB2002KB-S9997	2	10	
	R919000539	AZPFB-22-022/1.0LRR2002KB-S9997	2	10	
	R919000617	AZPFB-22-022/1.0RCB2002KB-S9999	2	10	
	R919000565	AZPFB-22-022/3.1RRR2002KB-S9999	2	10	
	R919000498	AZPFB-22-025/1.0RCB2002KB-S9997	2	10	
	R919000435	AZPFF-12-004/004LHO3030KB-S9997	5	10	
	R919000217	AZPFF-12-004/004RCB2020KB-S9997	5	10	
	R919000374	AZPFF-12-004/004RCB2020KB-S9999	5	10	
	R919000479	AZPFF-12-004/005RCB2020KB-S9997	5	10	
	R919000208	AZPFF-12-005/004RCB2020KB-S9997	5	10	
	R919000250	AZPFF-12-005/004RCB2020KB-S9997	5	10	
	R919000267	AZPFF-12-005/004RCB2020KB-S9999	5	10	
	R919000468	AZPFF-12-005/004RHO3030KB-S9997	5	10	
	R919000226	AZPFF-12-005/005LHO3030KB-S9997	5	10	
	R919000621	AZPFF-12-005/005RCB2020KB-S9999	5	10	
	R919000512	AZPFF-12-005/005RRR2020KB-S9999	5	10	
	R919000464	AZPFF-12-005/008RHO3030KB-S9997	5	10	
	R919000579	AZPFF-12-005/019RCB2020KB-S9997	5	10	
	R919000430	AZPFF-12-008/004RCB2020KB-S9997	5	10	
	R919000369	AZPFF-12-008/004RHO3030KB-S9997	5	10	
	R919000501	AZPFF-12-008/004RHO3030KB-S9997	5	10	
	R919000211	AZPFF-12-008/005RCB2020KB-S9997	5	10	
	R919000318	AZPFF-12-008/005RHO3030KB-S9997	5	10	
	R919000337	AZPFF-12-008/005RRR2020KB-S9997	5	10	
	R919000310	AZPFF-12-008/008LCB2020KB-S9997	5	10	
	R919000263	AZPFF-12-008/008RCB2020KB-S9999	5	10	
	R919000504	AZPFF-12-008/008RHO3030KB-S9997	5	10	
	R919000286	AZPFF-12-008/008RRR2020KB-S9997	5	10	
	R919000469	AZPFF-12-008/016RCB2020KB-S9997	5	10	
	R919000298	AZPFF-12-011/004RCB2020KB-S9999	5	10	
	R919000118	AZPFF-12-011/005LCB2020KB-S9999	5	10	
	R919000117	AZPFF-12-011/005LRR2020KB-S9997	5	10	
	R919000170	AZPFF-12-011/005RCB2020KB-S9997	5	10	
	R919000360	AZPFF-12-011/005RHO3030KB-S9997	5	10	
	R919000154	AZPFF-12-011/005RRR2020KB-S9997	5	10	
	R919000101	AZPFF-12-011/008LRR2020KB-S9999	5	10	
	R919000240	AZPFF-12-011/008RCB2020KB-S9997	5	10	

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26	R919000316	AZPFF-12-011/008RHO3030KB-S9999	5	10	10089
	R919000112	AZPFF-12-011/008RRR2020KB-S9999	5	10	
	R919000213	AZPFF-12-011/011LCB2020KB-S9999	5	10	
	R919000434	AZPFF-12-011/011LHO3030KB-S9997	5	10	
	R919000164	AZPFF-12-011/011RCB2020KB-S9997	5	10	
	R919000198	AZPFF-12-011/011RCB2020KB-S9997	5	10	
	R919000234	AZPFF-12-011/011RCB2020KB-S9997	5	10	
	R919000480	AZPFF-12-011/011RCB2020KB-S9999	5	10	
	R919000575	AZPFF-12-011/025LRR2020KB-S9999	5	10	
	R919000130	AZPFF-12-014/004LHO3030KB-S9997	5	10	
	R919000413	AZPFF-12-014/004RCB2020KB-S9999	5	10	
	R919000214	AZPFF-12-014/005RCB2020KB-S9997	5	10	
	R919000522	AZPFF-12-014/005RRR2020KB-S9997	5	10	
	R919000383	AZPFF-12-014/008RHO3030KB-S9999	5	10	
	R919000529	AZPFF-12-014/011LRR2020KB-S9997	5	10	
	R919000119	AZPFF-12-014/014LCB2020KB-S9997	5	10	
	R919000258	AZPFF-12-014/014LRR2020KB-S9997	5	10	
	R919000554	AZPFF-12-016/004RHO3030KB-S9999	5	10	
	R919000624	AZPFF-12-016/004RHO3030KB-S9999	5	10	
	R919000454	AZPFF-12-016/005LCB2020KB-S9997	5	10	
	R919000625	AZPFF-12-016/005LRR2020KB-S9999	5	10	
	R919000301	AZPFF-12-016/005RHO3030KB-S9997	5	10	
	R919000200	AZPFF-12-016/005RRR2020KB-S9997	5	10	
	R919000256	AZPFF-12-016/008RCB2020KB-S9999	5	10	
	R919000490	AZPFF-12-016/008RHO3030KB-S9997	5	10	
	R919000313	AZPFF-12-016/008RHO3030KB-S9999	5	10	
	R919000196	AZPFF-12-016/008RRR2020KB-S9997	5	10	
	R919000165	AZPFF-12-016/011RCB2020KB-S9997	5	10	
	R919000513	AZPFF-12-016/014LCB2020KB-S9999	5	10	
	R919000573	AZPFF-12-016/014LRR2020KB-S9997	5	10	
	R919000202	AZPFF-12-016/016LRR2020KB-S9997	5	10	
	R919000219	AZPFF-12-016/016RCB2020KB-S9997	5	10	
	R919000349	AZPFF-22-019/004RCB2020KB-S9997	5	10	
	R919000281	AZPFF-22-019/008LRR2020KB-S9997	5	10	
	R919000166	AZPFF-22-019/008LRR2020KB-S9999	5	10	
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	R919000380	AZPFF-22-019/008RCB2020KB-S9999	5	10	
	R919000333	AZPFF-22-019/008RHO3030KB-S9999	5	10	
	R919000394	AZPFF-22-019/008RRR2020KB-S9997	5	10	
	R919000147	AZPFF-22-019/011RRR2020KB-S9997	5	10	
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	R919000603	AZPFF-22-019/014RCB2020KB-S9997	5	10	
	R919000448	AZPFF-22-019/014RHO3030KB-S9997	5	10	
	R919000205	AZPFF-22-019/016LCB2020KB-S9997	5	10	
	R919000437	AZPFF-22-019/016RRR2020KB-S9999	5	10	
	R919000225	AZPFF-22-019/019LHO3030KB-S9997	5	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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	R919000475	AZPFF-22-019/019RRR2020KB-S9997	5	10	
	R919000463	AZPFF-22-022/004RCB2020KB-S9997	5	10	
	R919000150	AZPFF-22-022/004RCB2020KB-S9999	5	10	
	R919000107	AZPFF-22-022/005LCB2020KB-S9997	5	10	
	R919000433	AZPFF-22-022/005RCB2020KB-S9999	5	10	
	R919000222	AZPFF-22-022/005RHO3030KB-S9997	5	10	
	R919000299	AZPFF-22-022/005RRR2020KB-S9997	5	10	
	R919000388	AZPFF-22-022/008RHO3030KB-S9997	5	10	
	R919000336	AZPFF-22-022/011RCB2020KB-S9997	5	10	
	R919000367	AZPFF-22-022/011RCB2020KB-S9997	5	10	
	R919000239	AZPFF-22-022/011RRR2020KB-S9999	5	10	
	R919000405	AZPFF-22-022/014RRR2020KB-S9997	5	10	
	R919000175	AZPFF-22-022/016LRR2020KB-S9999	5	10	
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	R919000314	AZPFF-22-028/008RHO3030KB-S9999	5	10	
	R919000346	AZPFF-22-028/011RCB2020KB-S9997	5	10	
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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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	R919000311	AZPFF-22-028/016RCB2020KB-S9997	5	10	
	R919000125	AZPFF-22-028/016RCB2020KB-S9999	5	10	
	R919000395	AZPFF-22-028/019RHO3030KB-S9997	5	10	
	R919000284	AZPFF-22-028/022LRR2020KB-S9999	5	10	
	R919000283	AZPFF-22-028/022RRR2020KB-S9999	5	10	
	R919000366	AZPFF-22-028/028LRR2020KB-S9999	5	10	
	R919000136	AZPFF-22-028/028RCB2020KB-S9997	5	10	
	R919000590	AZPFFB-12-005/005/1.0RRR202002KB-S9999	2	10	
	R919000538	AZPFFB-12-008/008/3.1RHO303002KB-S9996	2	10	
	R919000537	AZPFFB-22-028/004/2.0RHO303002KB-S9999	2	10	
	R919000578	AZPFFB-22-028/028/6.3RCB202002KB-S9996	2	10	
	R919000294	AZPFFF-12-004/004/004LCB202020KB-S9996	5	10	
	R919000218	AZPFFF-12-004/004/004RCB202020KB-S9996	5	10	
	R919000536	AZPFFF-12-004/004/004RRR202020KB-S9999	5	10	
	R919000277	AZPFFF-12-005/005/005LCB202020KB-S9996	5	10	
	R919000278	AZPFFF-12-005/005/005LCB202020KB-S9996	5	10	
	R919000424	AZPFFF-12-008/004/004RCB202020KB-S9996	5	10	
	R919000171	AZPFFF-12-008/004/004RCB202020KB-S9999	5	10	
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	R919000319	AZPFFF-12-008/008/005LRR202020KB-S9996	5	10	
	R919000174	AZPFFF-12-008/008/005RRR202020KB-S9996	5	10	
	R919000461	AZPFFF-12-011/008/005RCB202020KB-S9996	5	10	
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	R919000342	AZPFFF-12-011/008/005RHO303030KB-S9999	5	10	
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	R919000528	AZPFFF-12-011/011/005RCB202020KB-S9996	5	10	
	R919000417	AZPFFF-12-011/011/005RHO303030KB-S9996	5	10	
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	R919000111	AZPFFF-12-016/011/005RCB202020KB-S9999	5	10	
	R919000348	AZPFFF-12-016/011/005RCB202020KB-S9999	5	10	
	R919000535	AZPFFF-12-016/011/011RHO303030KB-S9996	5	10	
	R919000134	AZPFFF-12-016/014/008RRR202020KB-S9996	5	10	
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26	R919000245	AZPFFF-12-016/016/004RRR202020KB-S9996	5	10	10089
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	R919000288	AZPFFF-12-016/016/004RRR202020KB-S9999	5	10	
	R919000210	AZPFFF-12-016/016/005RCB202020KB-S9999	5	10	
	R919000447	AZPFFF-12-016/016/008RCB202020KB-S9996	5	10	
	R919000391	AZPFFF-12-016/016/011LRR202020KB-S9996	5	10	
	R919000122	AZPFFF-12-016/016/011RCB202020KB-S9996	5	10	
	R919000511	AZPFFF-12-016/016/011RRR202020KB-S9996	5	10	
	R919000231	AZPFFF-12-016/016/016LCB202020KB-S9996	5	10	
	R919000516	AZPFFF-22-019/004/004RCB202020KB-S9996	5	10	
	R919000436	AZPFFF-22-019/011/011RRR202020KB-S9999	5	10	
	R919000149	AZPFFF-22-019/016/005RCB202020KB-S9996	5	10	
	R919000163	AZPFFF-22-019/016/005RRR202020KB-S9996	5	10	
	R919000444	AZPFFF-22-019/016/008LCB202020KB-S9996	5	10	
	R919000458	AZPFFF-22-019/016/008LRR202020KB-S9996	5	10	
	R919000491	AZPFFF-22-019/019/016RCB202020KB-S9996	5	10	
	R919000157	AZPFFF-22-019/019/019RCB202020KB-S9996	5	10	
	R919000378	AZPFFF-22-022/005/004RCB202020KB-S9999	5	10	
	R919000232	AZPFFF-22-022/011/008RRR202020KB-S9996	5	10	
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	R919000563	AZPFFF-22-022/014/004RCB202020KB-S9999	5	10	
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	R919000185	AZPFFF-22-022/016/004RRR202020KB-S9996	5	10	
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	R919000376	AZPFFF-22-022/022/008RCB202020KB-S9996	5	10	
	R919000129	AZPFFF-22-022/022/011LRR202020KB-S9996	5	10	
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	R919000302	AZPFFF-22-022/022/016RRR202020KB-S9999	5	10	
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	R919000566	AZPFFF-22-025/025/011RCB202020KB-S9996	5	10	
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27	0510725094	AZPN-12-025RDC20KB	5	5	10091
	0510725104	AZPN-11-025RDC07KB-S0081	5	5	
	0510725058	AZPN-12-028RDC20KB	5	5	

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	0510725194	AZPG-22-040RDC20KB	5	5	
	0510725170	AZPG-22-045RCB20MB	5	5	
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	R919000416	AZPGF-22-022/005LCB0720KB-S9997	3	10	
	R919000204	AZPGF-22-022/005RCB0720KB-S9997	3	10	
	R919000610	AZPGF-22-022/005RDC0720KB-S9997	3	10	
	R919000505	AZPGF-22-022/008LCB0720KB-S9997	3	10	
	R919000180	AZPGF-22-022/008LDC0720KB-S9999	3	10	
	R919000203	AZPGF-22-022/011LDC0720KB-S9997	3	10	
	R919000216	AZPGF-22-022/011LDC0720KB-S9997	3	10	
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	R919000238	AZPGF-22-022/011LDC0720KB-S9997	3	10	
	R919000183	AZPGF-22-022/011LDC0720KB-S9999	3	10	
	R919000547	AZPGF-22-022/014LDC0720KB-S9999	3	10	
	R919000470	AZPGF-22-022/016LDC0720KB-S9999	3	10	
	R919000290	AZPGF-22-022/019LDC0720KB-S9999	3	10	
	R919000253	AZPGF-22-025/004LDC0720KB-S9997	3	10	
	R919000181	AZPGF-22-025/005LDC0720KB-S9997	3	10	
	R919000190	AZPGF-22-025/005RDC0720KB-S9997	3	10	
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	R919000427	AZPGF-22-025/016RDC0720KB-S9997	3	10	
	R919000270	AZPGF-22-028/004RCB0720KB-S9997	3	10	
	R919000612	AZPGF-22-028/008LDC0720KB-S9997	3	10	
	R919000609	AZPGF-22-028/008LHO0730KB-S9997	3	10	
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	R919000495	AZPGF-22-028/014RDC0720KB-S9999	3	10	
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	R919000414	AZPGF-22-032/016RCB0720KB-S9997	3	10	
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	R919000422	AZPGF-22-032/022RHO0730KB-S9997	3	10	
	R919000484	AZPGF-22-032/028RHO0730KB-S9999	3	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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	R919000542	AZPGF-22-036/011RCB0720KB-S9997	3	10	
	R919000261	AZPGF-22-036/014RHO0730KB-S9997	3	10	
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	R919000275	AZPGF-22-040/028RDC0720KB-S9997	3	10	
	R919000362	AZPGF-22-040/028RHO0730KB-S9997	3	10	
	R919000268	AZPGF-22-045/004RCB0720KB-S9997	3	10	
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Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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	R919000589	AZPGF-22-056/022RDC0720KB-S9997	3	10	
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	R919000451	AZPGF-22-063/019RDC0720KB-S9997	3	10	
	R919000570	AZPGF-22-063/019RHO0730KB-S9997	3	10	
	R919000517	AZPGFB-22-022/016/2.0LDC072002KB-S9998	2	10	
	R919000520	AZPGFB-22-025/008/2.5RDC072002KB-S9999	2	10	
	R919000274	AZPGFF-22-022/011/005RDC072020KB-S9996	3	10	
	R919000546	AZPGFF-22-022/011/008RDC072020KB-S9996	3	10	
	R919000182	AZPGFF-22-022/022/008RDC072020KB-S9996	3	10	
	R919000373	AZPGFF-22-028/028/008RDC072020KB-S9999	3	10	
	R919000429	AZPGFF-22-028/028/028RDC072020KB-S9999	3	10	
	R919000187	AZPGFF-22-032/008/004RDC072020KB-S9996	3	10	
	R919000357	AZPGFF-22-032/008/005RCB072020KB-S9996	3	10	
	R919000169	AZPGFF-22-032/008/008RCB072020KB-S9996	3	10	
	R919000497	AZPGFF-22-032/011/005LDC072020KB-S9996	3	10	
	R919000515	AZPGFF-22-032/011/008RDC072020KB-S9996	3	10	
	R919000251	AZPGFF-22-032/016/005RCB072020KB-S9996	3	10	
	R919000459	AZPGFF-22-032/016/008LDC072020KB-S9996	3	10	
	R919000508	AZPGFF-22-032/019/004LDC072020KB-S9996	3	10	
	R919000176	AZPGFF-22-032/019/005LDC072020KB-S9996	3	10	
	R919000308	AZPGFF-22-032/019/019RDC072020KB-S9996	3	10	
	R919000265	AZPGFF-22-036/011/004LDC072020KB-S9996	3	10	
	R919000264	AZPGFF-22-036/011/004RDC072020KB-S9996	3	10	
	R919000607	AZPGFF-22-036/011/008RCB072020KB-S9999	3	10	
	R919000611	AZPGFF-22-036/011/008RDC072020KB-S9999	3	10	
	R919000628	AZPGFF-22-036/014/011RDC072020KB-S9996	3	10	
	R919000113	AZPGFF-22-036/016/016RCB072020KB-S9999	3	10	
	R919000102	AZPGFF-22-036/016/016RDC072020KB-S9999	3	10	
	R919000355	AZPGFF-22-040/011/004RCB072020KB-S9999	3	10	
	R919000465	AZPGFF-22-040/011/011LHO073030KB-S9999	3	10	
	R919000341	AZPGFF-22-040/016/016RDC072020KB-S9999	3	10	
	R919000223	AZPGFF-22-040/019/011RCB072020KB-S9996	3	10	
	R919000201	AZPGFF-22-040/022/004LCB072020KB-S9999	3	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
28	R919000392	AZPGFF-22-045/016/016LDC072020KB-S9996	3	10	10093
	R919000338	AZPGFF-22-045/028/019RDC072020KB-S9996	3	10	
	R919000353	AZPGFF-22-050/008/004RHO073030KB-S9996	3	10	
	R919000397	AZPGFF-22-050/008/008RDC072020KB-S9996	3	10	
	R919000595	AZPGFF-22-050/014/008RDC072020KB-S9999	3	10	
	R919000574	AZPGFF-22-050/016/016RDC072020KB-S9996	3	10	
	R919000140	AZPGFF-22-056/011/011RCB072020KB-S9999	3	10	
	R919000626	AZPGFF-22-056/016/011RDC072020KB-S9996	3	10	
	R919000247	AZPGFF-22-056/019/016LDC072020KB-S9996	3	10	
	R919000585	AZPGFF-22-056/022/008LDC072020KB-S9999	3	10	
	R919000601	AZPGFF-22-063/008/008LHO073030KB-S9996	3	10	
	R919000605	AZPGFF-22-063/008/008RHO073030KB-S9996	3	10	
	R919000177	AZPGG-22-022/022LCB0707KB-S9999	3	10	
	R919000269	AZPGG-22-022/022RCB0707KB-S9997	3	10	
	R919000135	AZPGG-22-022/022RDC0707KB-S9997	3	10	
	R919000564	AZPGG-22-025/025RDC0707KB-S9997	3	10	
	R919000432	AZPGG-22-028/022RCB0707KB-S9997	3	10	
	R919000124	AZPGG-22-028/028RDC0707KB-S9997	3	10	
	R919000507	AZPGG-22-028/028RDC0707KB-S9999	3	10	
	R919000425	AZPGG-22-032/028RDC0707KB-S9999	3	10	
	R919000389	AZPGG-22-032/032LDC0707KB-S9999	3	10	
	R919000334	AZPGG-22-032/032RCB0707KB-S9999	3	10	
	R919000137	AZPGG-22-032/032RDC0707KB-S9997	3	10	
	R919000303	AZPGG-22-032/032RDC0707KB-S9997	3	10	
	R919000161	AZPGG-22-036/022LDC0707KB-S9997	3	10	
	R919000549	AZPGG-22-036/022RDC0707KB-S9997	3	10	
	R919000506	AZPGG-22-036/022RDC0707KB-S9999	3	10	
	R919000379	AZPGG-22-036/025RDC0707KB-S9997	3	10	
	R919000488	AZPGG-22-036/032RDC0707KB-S9997	3	10	
	R919000576	AZPGG-22-036/036RCB0707KB-S9997	3	10	
	R919000365	AZPGG-22-040/022LDC0707KB-S9997	3	10	
	R919000325	AZPGG-22-040/025LDC0707KB-S9999	3	10	
	R919000324	AZPGG-22-040/025RDC0707KB-S9999	3	10	
	R919000156	AZPGG-22-040/028RDC0707KB-S9997	3	10	
	R919000309	AZPGG-22-040/032RCB0707KB-S9999	3	10	
	R919000591	AZPGG-22-040/032RDC0707KB-S9997	3	10	
	R919000407	AZPGG-22-040/032RDC0707KB-S9999	3	10	
	R919000409	AZPGG-22-040/032RHO0707KB-S9997	3	10	
	R919000327	AZPGG-22-040/040LDC0707KB-S9999	3	10	
	R919000206	AZPGG-22-040/040RCB0707KB-S9997	3	10	
	R919000568	AZPGG-22-040/040RHO0707KB-S9997	3	10	
	R919000613	AZPGG-22-040/040RHO0707KB-S9997	3	10	
	R919000518	AZPGG-22-045/022RCB0707KB-S9997	3	10	
	R919000152	AZPGG-22-045/025RDC0707KB-S9997	3	10	
	R919000321	AZPGG-22-045/025RDC0707KB-S9999	3	10	
	R919000443	AZPGG-22-045/028RCB0707KB-S9999	3	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
28	R919000372	AZPGG-22-045/028RDC0707KB-S9997	3	10	10093
	R919000441	AZPGG-22-045/032LDC0707KB-S9999	3	10	
	R919000141	AZPGG-22-045/032RCB0707KB-S9997	3	10	
	R919000330	AZPGG-22-045/040RCB0707KB-S9997	3	10	
	R919000326	AZPGG-22-045/040RDC0707KB-S9999	3	10	
	R919000384	AZPGG-22-045/045LDC0707KB-S9997	3	10	
	R919000209	AZPGG-22-045/045RCB0707KB-S9997	3	10	
	R919000138	AZPGG-22-050/022RCB0707KB-S9999	3	10	
	R919000178	AZPGG-22-050/022RDC0707KB-S9997	3	10	
	R919000608	AZPGG-22-050/040RCB0707KB-S9999	3	10	
	R919000304	AZPGG-22-050/050RHO0707KB-S9999	3	10	
	R919000577	AZPGG-22-056/022LDC0707KB-S9999	3	10	
	R919000485	AZPGG-22-056/025RDC0707KB-S9997	3	10	
	R919000280	AZPGG-22-056/032RDC0707KB-S9997	3	10	
	R919000502	AZPGG-22-056/036RCB0707KB-S9999	3	10	
	R919000363	AZPGG-22-056/040LCB0707KB-S9997	3	10	
	R919000364	AZPGG-22-056/040RCB0707KB-S9997	3	10	
	R919000442	AZPGG-22-056/056RCB0707KB-S9999	3	10	
	R919000295	AZPGG-22-056/056RDC0707KB-S9997	3	10	
	R919000115	AZPGG-22-063/022RDC0707KB-S9997	3	10	
	R919000382	AZPGG-22-063/022RDC0707KB-S9997	3	10	
	R919000145	AZPGG-22-063/032LDC0707KB-S9997	3	10	
	R919000272	AZPGG-22-063/032RCB0707KB-S9997	3	10	
	R919000381	AZPGG-22-063/063RDC0707KB-S9997	3	10	
	R919000496	AZPGG-22-063/063RDC0707KB-S9997	3	10	
	R919000594	AZPGGF-22-022/022/016LDC070720KB-S9999	3	10	
	R919000249	AZPGGF-22-022/022/022RDC070720KB-S9996	3	10	
	R919000300	AZPGGF-22-025/022/005RDC070720KB-S9996	3	10	
	R919000262	AZPGGF-22-025/022/016RCB070720KB-S9996	3	10	
	R919000332	AZPGGF-22-025/025/008RDC070720KB-S9996	3	10	
	R919000481	AZPGGF-22-028/028/008RDC070720KB-S9996	3	10	
	R919000172	AZPGGF-22-032/028/011LDC070720KB-S9996	3	10	
	R919000494	AZPGGF-22-036/022/014RDC070720KB-S9999	3	10	
	R919000622	AZPGGF-22-036/025/014LDC070720KB-S9996	3	10	
	R919000257	AZPGGF-22-036/036/016RDC070720KB-S9996	3	10	
	R919000297	AZPGGF-22-036/036/016RDC070720KB-S9996	3	10	
	R919000105	AZPGGF-22-036/036/022LDC070720KB-S9999	3	10	
	R919000110	AZPGGF-22-036/036/022LDC070720KB-S9999	3	10	
	R919000331	AZPGGF-22-040/028/022RDC070720KB-S9999	3	10	
	R919000306	AZPGGF-22-040/040/011RDC070720KB-S9999	3	10	
	R919000623	AZPGGF-22-045/022/011LDC070720KB-S9999	3	10	
	R919000571	AZPGGF-22-045/022/022LDC070720KB-S9996	3	10	
	R919000620	AZPGGF-22-045/040/008RDC070720KB-S9996	3	10	
	R919000531	AZPGGF-22-050/050/014RDC070720KB-S9999	3	10	
	R919000486	AZPGGF-22-050/056/014RDC070720KB-S9996	3	10	
	R919000478	AZPGGF-22-056/032/016RDC070720KB-S9996	3	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
28	R919000293	AZPGGF-22-056/056/005RCB070720KB-S9996	3	10	10093
	R919000401	AZPGGF-22-056/056/008LDC070720KB-S9996	3	10	
	R919000526	AZPGGF-22-063/022/005RCB070720KB-S9996	3	10	
	R919000487	AZPGGF-22-063/036/028LDC070720KB-S9996	3	10	
	R919000390	AZPGGF-22-063/040/008RCB070720KB-S9996	3	10	
	R919000345	AZPGGF-22-063/063/028LDC070720KB-S9999	3	10	
	R919000616	AZPGGG-22-028/025/050LDC070707KB-S9997	3	10	
	R919000385	AZPGGG-22-028/028/028RCB070707KB-S9996	3	10	
	R919000387	AZPGGG-22-032/032/032RDC070707KB-S9996	3	10	
	R919000162	AZPGGG-22-036/036/036RCB070707KB-S9996	3	10	
	R919000104	AZPGGG-22-045/045/028RCB070707KB-S9999	3	10	
	R919000109	AZPGGG-22-045/045/028RCB070707KB-S9999	3	10	
	R919000460	AZPGGG-22-045/045/036LDC070707KB-S9996	3	10	
	R919000499	AZPGGG-22-056/056/045RDC070707KB-S9996	3	10	
	R919000241	AZPGGG-22-056/056/056RDC070707KB-S9999	3	10	
	R919000287	AZPGGG-22-063/063/063LDC070707KB-S9996	3	10	
	R919000242	AZPGGG-22-063/063/063RCB070707KB-S9996	3	10	
	R919000131	AZPGGG-22-063/063/063RCB070707KB-S9999	3	10	
▼ AZPJ					
29	0518525001	AZPJ-22-012RCB20MB	5	5	10094
	0518625001	AZPJ-22-016RCB20MB	5	5	
	0518525002	AZPJ-22-014RCB20MB	5	5	
	0518625010	AZPJ-22-019RCB20MB	5	5	
	0518725011	AZPJ-22-022RCB20MB	5	5	
Accessories					
▼ Hydraulic reservoir TMP					
30	R902651116	OELBEHAELTER TMP08/10-G1012VS0L1	2	10	95721
	R902476412	OELBEHAELTER TMP08/10-G1012ES0L1	2	10	
	R902484689	OELBEHAELTER TMP08/10-G1012ES1L1	2	10	
	R902492164	OELBEHAELTER TMP08/10-G1012ES1L1	2	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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Motors

Axial piston motors

▼ A2FM series 70

32	R902288024	A2FMM023/70NWVL4Z502000-0 "GO2EU"	2	10	91071
	R902288025	A2FMM023/70NWVL4P505000-0 "GO2EU"	2	10	
	R902288026	A2FMM028/70NWVL4Z601000-0 "GO2EU"	2	10	
	R902288027	A2FMM028/70NWVL4Z602000-0 "GO2EU"	2	10	
	R902288028	A2FMM028/70NWVL4Z601000-0 "GO2EU"	2	10	
	R902288029	A2FMM028/70NWVL4P605000-0 "GO2EU"	2	10	
	R902286129	A2FMM032/70NWVL4Z601000-0 "GO2EU"	2	10	
	R902286130	A2FMM032/70NWVL4Z602000-0 "GO2EU"	2	10	
	R902286174	A2FMM032/70NWVL4Z601000-0 "GO2EU"	2	10	
	R902286175	A2FMM032/70NWVL4P605000-0 "GO2EU"	2	10	
	R902271111	A2FMM045/70MWVM4Z602D00-0 – Painting: none	2	10	
	R902271112	A2FMM045/70MWVM4Z611D00-0 – Painting: none	2	10	
	R902286176	A2FMM045/70NWVM4P602000-0 "GO2EU"	2	10	
	R902286177	A2FMM045/70NWVM4Z602000-0 "GO2EU"	2	10	
	R902286178	A2FMM056/70NWVM4Z802000-0 "GO2EU"	2	10	
	R902286179	A2FMM056/70NWVM4P802000-0 "GO2EU"	2	10	
	R902271113	A2FMM056/70MWVM4Z602E00-0 – Painting: none	2	10	
	R902271114	A2FMM056/70MWVM4Z611E00-0 – Painting: none	2	10	
	R902271109	A2FMM063/70MWVM4Z802E00-0 – Painting: none	2	10	
	R902271110	A2FMM063/70MWVM4Z811E00-0 – Painting: none	2	10	
	R902286180	A2FMM063/70NWVM4Z802000-0 "GO2EU"	2	10	
	R902C00010	A2FMM080/70MWVN4Z902F00-0 – Painting: none	2	10	
	R902C00011	A2FMM080/70MWVN4Z911F00-0 – Painting: none	2	10	
	R902286182	A2FMM080/70NWVN4P902000-0 „GO2EU“	2	10	
	R902286181	A2FMM080/70NWVN4Z902000-0 "GO2EU"	2	10	
	R902C00012	A2FMM090/70MWVN4Z911F00-0 – Painting: none	2	10	
	R902C00013	A2FMM090/70MWVN4Z902F00-0 – Painting: none	2	10	
	R902286183	A2FMM090/70NWVN4Z902000-0 „GO2EU“	2	10	
	R902288020	A2FMM107/70NWVN4P902000-0 „GO2EU“	2	10	
	R902288018	A2FMM107/70NWVN4Z901000-0 "GO2EU"	2	10	
	R902288019	A2FMM107/70NWVN4Z902000-0 "GO2EU"	2	10	
	R902C00014	A2FMN107/70NWVN4Z911F00-0 – Painting: none	2	10	
	R902C00015	A2FMN107/70NWVN4Z911F00-0 – Lackierung: RAL9005	2	10	
	R902288023	A2FMM125/70NWVN4B102000-0 "GO2EU"	2	10	
	R902288021	A2FMM125/70NWVN4Z901000-0 "GO2EU"	2	10	
	R902288022	A2FMM125/70NWVN4Z902000-0 "GO2EU"	2	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
▼ A2FM series 6x					
33	R902230000	A2F5/60W-B3 – Painting: RAL9005	2	10	91001
	R902230001	A2FM10/61W-VAB030 – Painting: RAL9005	2	10	
	R902230002	A2FM10/61W-VBB030 – Painting: RAL9005	3	10	
	R902230006	A2FM12/61W-VAB030 – Painting: RAL9005	2	10	
	R902230007	A2FM12/61W-VPB030 – Painting: RAL9005	3	10	
	R902230008	A2FM12/61W-VPB040 – Painting: RAL9005	3	10	
	R902230013	A2FM16/61W-VAB030 – Painting: RAL9005	2	10	
	R902230014	A2FM16/61W-VBB030 – Painting: RAL9005	3	10	
	R902230015	A2FM16/61W-VBB040 – Painting: RAL9005	3	10	
	R902230021	A2FM23/61W-VAB020 – Painting: RAL9005	2	10	
	R902230022	A2FM23/61W-VPB030 – Painting: RAL9005	3	10	
	R902230023	A2FM23/61W-VPB040 – Painting: RAL9005	3	10	
	R902230024	A2FM28/61W-VAB010 – Painting: RAL9005	3	10	
	R902230025	A2FM28/61W-VAB020 – Painting: RAL9005	2	10	
	R902253471	A2FM28/61W-VAB100 – Painting: RAL9005	3	10	
	R902230026	A2FM28/61W-VPB030 – Painting: RAL9005	3	10	
	R902230027	A2FM32/61W-VAB010 – Painting: RAL9005	3	10	
	R902230028	A2FM32/61W-VAB020 – Painting: RAL9005	2	10	
	R902253472	A2FM32/61W-VAB100 – Painting: RAL9005	3	10	
	R902230029	A2FM32/61W-VBB030 – Painting: RAL9005	3	10	
	R902230030	A2FM32/61W-VBB040 – Painting: RAL9005	3	10	
	R902253473	A2FM45/61W-VAB100 – Painting: RAL9005	3	10	
	R902230031	A2FM45/61W-VPB010 – Painting: RAL9005	3	10	
	R902230032	A2FM45/61W-VPB020 – Painting: RAL9005	3	10	
	R902230033	A2FM45/61W-VPB040 – Painting: RAL9005	3	10	
	R902230034	A2FM45/61W-VZB020 – Painting: RAL9005	2	10	
	R902230035	A2FM56/61W-VAB020 – Painting: RAL9005	2	10	
	R902230036	A2FM56/61W-VPB020 – Painting: RAL9005	3	10	
	R902230037	A2FM63/61W-VAB010 – Painting: RAL9005	3	10	
	R902230038	A2FM63/61W-VAB020 – Painting: RAL9005	2	10	
	R902230039	A2FM63/61W-VBB040 – Painting: RAL9005	3	10	
	R902230040	A2FM80/61W-VAB010 – Painting: RAL9005	3	10	
	R902230041	A2FM80/61W-VAB020 – Painting: RAL9005	2	10	
	R902230042	A2FM80/61W-VPB020 – Painting: RAL9005	3	10	
	R902230043	A2FM90/61W-VAB010 – Painting: RAL9005	3	10	
	R902230044	A2FM90/61W-VAB020 – Painting: RAL9005	2	10	
	R902230003	A2FM107/61W-VAB010 – Painting: RAL9005	3	10	
	R902230004	A2FM107/61W-VAB020 – Painting: RAL9005	3	10	
	R902230005	A2FM107/61W-VPB020 – Painting: RAL9005	3	10	
	R902230009	A2FM125/61W-VAB010 – Painting: RAL9005	3	10	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
33	R902230010	A2FM125/61W-VAB020 – Painting: RAL9005	3	10	91001
	R902230011	A2FM125/61W-VBB010 – Painting: RAL9005	3	10	
	R902230012	A2FM125/61W-VBB020– Painting: RAL9005	3	10	
	R902230016	A2FM160/61W-VAB010 – Painting: RAL9005	3	10	
	R902230017	A2FM160/61W-VAB020 – Painting: RAL9005	3	10	
	R902230018	A2FM180/61W-VAB010 – Painting: RAL9005	3	10	
	R902230019	A2FM180/61W-VAB020 – Painting: RAL9005	3	10	
	R902230020	A2FM200/63W-VAB010 – Painting: RAL9005	3	10	
▼ A6VM series 65					
34	R902289906	A6VM080EP6D1P001G/65MWW0N4Z94CW-0 Painting: none / setting: $V_{\text{gmax}} = 80 \text{ cm}^3$, $V_{\text{gmin}} = 40 \text{ cm}^3$	2	10	91607
	R902289907	A6VM107EP6D1P001G/65MWW0P4Z94CW-0 Painting: none / setting: $V_{\text{gmax}} = 107 \text{ cm}^3$, $V_{\text{gmin}} = 55 \text{ cm}^3$	2	10	
	R902289908	A6VM160EP6D1P001G/65MWW0R4A14DW-0 Painting: none / setting: $V_{\text{gmax}} = 160 \text{ cm}^3$, $V_{\text{gmin}} = 80 \text{ cm}^3$	2	10	
▼ A6VM series 71					
34	R902242673	A6VM85EP100P000E/71MWW0N4S920U-0 – Painting: RAL9005	4	10	91610
	R902289910	A6VM215EP6D1P001G/71MWW0S4A24DW-0 Painting: none / setting: $V_{\text{gmax}} = 215 \text{ cm}^3$, $V_{\text{gmin}} = 100 \text{ cm}^3$	2	10	
External gear motor					
35	0511525611	AZMF-12-011UCB20PX-S0077	5	5	14028
	0511545601	AZMF-10-011USA20ML	5	5	
	0511525612	AZMF-12-014UCB20PX-S0077	5	5	
	0511625617	AZMF-12-016UCB20PX-S0077	5	5	
	0511645601	AZMF-10-016USA20ML	5	5	
	0511625311	AZMF-13-019LCB20PG185XX	5	5	
	0511625615	AZMF-22-019UCB20PX-S0077	5	5	
	0511645603	AZMF-10-019USA20ML	5	5	
36	0511625611	AZMN-22-020-UCB20PX-S0077	5	5	14029
	0511725604	AZMN-22-025UCB20PX-S0077	5	5	
	0511725605	AZMN-22-022UCB20PX-S0077	5	5	
	0511725607	AZMN-22-028UCB20PX-S0077	5	5	
	0511725613	AZMN-22-032UCB20PX-S0077	5	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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Gears

Travel gears					
38	R988093705	GFT8110E/40-AAAA047I-OSBL/000-A-1-1-G	4	5	77117
	R988093706	GFT8120E/40-ABAB032I-03BS/055-A-1-1-G	4	5	
	R988093707	GFT8130E/40-AAAA051I-03BZ/055-0-1-1-G	4	5	
	R988093708	GFT8140F/40-AAAA103I-03BZ/055-A-1-1-G	2	5	
	R988093709	GFT8150E/40-AAAA041I-03EZ/000-A-1-1-G	2	5	
	R988093710	GFT8160F/40-AAAA101I-OSDZ/000-A-1-1-G	2	5	
	R988093711	GFT8170F/40-AAAA124I-OSDZ/000-A-1-1-G	2	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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Mobile controls

Pilot control devices

40	R907222461	1-2 TH6 L 06-10/M 01	3	10	64552
	R907222467	2-2 TH6 L06-10/L06 M01	3	10	
	R907223668	1-2 TH6 P 06-10/M 05 S418	3	10	
	R907225176	1-2 TH6 L 006-10/M 05	3	10	
	R907228415	3-2 TH6 J XX-10/M 01 S 226	3	10	
	R907229596	1-2 TH6 L 097-10/M 01	3	10	
	R907280420	B-2 TH6 L 06-10/M 01	3	10	
	R907280542	2-2 TH6 L70-10/L70-M 01	3	10	
	R907280651	1-2 TH6 L 070-10/M 01	3	10	
	R907282328	2-2 TH6 L82-10/M82 M01 S308	3	10	
	R908350007	1-2 TH6 T 06-10/M 01	3	10	
	R908350117	1-2 TH6 P 19-10/M 05 S428	3	10	
	R908350124	B-2 TH6 T 06-10/M 01	3	10	
	R908350529	2-2 TH6 L41-10/L44 M01	3	10	
	R908350709	1-2 TH6 L 020-10/M 01 S418	3	10	
	R908351111	1-2 TH6 T 70-10/M 01	3	10	
	R908351288	1-2 TH6 P 06-10/M 05 S428	3	10	
	R908351993	1-2 TH6 L 06-10/M 02 S 417	3	10	
	R908352025	1-2 TH6 L 097-10/M 05	3	10	
	R908352449	B-2 TH6 L 70-10/M 01 S 417	3	10	
	R908353805	1-2 TH6 J 070-10/5 M 01	3	10	
41	R908350826	4 TH5 E 70-11/ST 12 5 M 01 S 038	3	10	64555
	R908354048	4 TH5 E 70-11/YT 43 5 M 01 S 160	3	10	
	R908350947	4 TH5 E 70-11/ST 43 5 M 01 S014	3	10	
	R908351168	4 TH5 H 73-11/SL7PSA23 23 5 M 05 S 065	3	10	
	R908351480	4 TH5 E 70-11/VT 23 5 M 01 S 014	3	10	
	R908355525	4 TH5 H 06-11/23 5 M01	3	10	
	R908353416	4 TH5 H 70-11/SL156PSA23RBB8 23 5M01S014	3	10	
	R908353626	4 TH5 H 70-11/SH156PSB38RAA2 23 5M01S014	3	10	
	R908353663	4 TH5 I 121-11/SL18 PMBH 23 5 M 01 S 155	3	10	
	R908353664	4 TH5 I 121-11/SL18 PMBH 43 5 M 01 S 155	3	10	
	R908353670	4 TH5 L 121-11/HR 23 M01 S156	3	10	
	R908353744	4 TH5 L 121-11/HR 4 3 M 01 S 156	3	10	
	R908353745	4 TH5 L 121-11/HM 2 3 M 01 S 156	3	10	
	R908354044	4 TH5 I 121-11/SL18 PRBH 43 5 M 01 S 160	3	10	
	R908354046	4 TH5 I 121-11/SL18 PRBH 23 5 M 01 S 160	3	10	
	R908355147	4 TH5 I 121-11/SH18 23 5 M01 S160	3	10	
	R908355164	4 TH5 I 121-11/SH18 43 5 M01 S160	3	10	
	R908354117	4 TH5 N 20-11/(08209644) 23 5 M 05 S 014	3	10	
	R908354206	4 TH5 I 121-11/SL18 XSBH 43 5 M 01 S 168	3	10	
	R908354207	4 TH5 I 121-11/SL18 XSBH 23 5 M 01 S 168	3	10	
	R908354636	4 TH5 L 121-11/HR 43 M 01 S 157	3	10	
	R908354673	4 TH5 E 70-11/TT 03 M01 S014	3	10	

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42	R907229581	4 TH6 E 06-14/YU 23 M05	3	10	64555
	R907280384	4 TH6 E 70-14/YU 2 3 M 01	3	10	
	R907280549	4 TH6 E 70-14/TT 43 M01	3	10	
	R907280697	4 TH6 E 06-14/VT 03 M01	3	10	
	R907280715	4 TH6 E 06-14/VT 4 3 M 01	3	10	
	R907281059	4 TH6 E 06-14/TT 2 3 M 01	3	10	
	R907281060	4 TH6 E 06-14/VT 2 3 M 01	3	10	
	R907281110	4 TH6 E 70-14/YT 4 3 M 01	3	10	
	R907281111	4 TH6 E 70-14/YT 2 3 M 01	3	10	
	R907281258	4 TH6 E 70-14/ST 2 3 M 01	3	10	
	R907281280	4 TH6 E 70-14/ST 43 M 01	3	10	
	R907281285	4 TH6 E 70-14/VT 43 M 01	3	10	
	R907281300	4 TH6 E 97-14/TT 03 M01	3	10	
	R907281644	4 TH6 E 06-14/TT 0 3 M 01	3	10	
	R907281847	4 TH6 E 06-14/YU 23 M 01	3	10	
	R908350739	4 TH6 E 98-14/VT 23 5 M 05 S 417	3	10	
	R908351010	4 TH6 E 06-14/TT 0 3 M 05 S 474	3	10	
	R908351341	4 TH6 I XX-14/SL18 PRH 0 3 M 01 S 479	3	10	
	R908351636	4 TH6 E 70-14/VT 23 M 01 S 502	3	10	
	R908351966	4 TH6 I 98-14/SX23 03 5 M 05 S 417	3	10	
	R908352919	4 TH6 H XX-14/SL9RBA2PEB3 23 5 M01 S632	3	10	
	R908353161	4 TH6 E 19-14/YU 23 M 01	3	10	
	R908353422	4 TH6 I 97-14/XSAV 23 5 M 05	3	10	
	R908353476	4 TH6 E 97-14/TT 2 3 M 01 S 656	3	10	
	R908351860	4 TH6 N Z 06-10/ M 01	3	10	
43	R908352770	4 THF5 E 70-11/ YU 23 AAEE 5 M01	3	10	64557
	R908354303	4 THF5 H XX-10/XX 41 CACC 5 M 01 S036 &	3	10	
	R908354308	4 THF5 K 06-10/SL357 RBA2 41 CACC 5 M 01	3	10	
	R908354361	4 THF5 K XX-10/SL57 RBAV2 41 CACC 5 M01	3	10	
	R908355206	4 THF5 K 213-10/SL57RBA2 41 CACC 5 M01	3	10	
44	R907280306	4 THF6 E 08-20/YU 41 CAAD Y M01 S038	3	10	64553
	R908350598	5 THF6 E 06-20/ST 41 M01+ 2 TH6 LCF M01	3	10	
	R908351802	5 THF6 E XX-20/ST41CACCXY6M01+2TH6L S184	3	10	
45	R907228886	2 TH6 RC 06-10/M 01	3	10	64551
	R907228906	2 TH6 RP 006-10/M 01	3	10	
	R907229436	2 TH6 RP 070-10/M 01	3	10	
	R907281550	2 TH6 RP 126-10/M 01 S 130	3	10	
	R907538966	2 TH6 RC 70-10/M 01	3	10	
	R908350098	2 TH6 RC 06-10/M 02	3	10	
	R908351003	2 TH6 RC 06-10/M 01 S405	3	10	
	R908351585	2 TH6 RP 20-10/M 01 S442	3	10	
	R908351912	2 TH6 RC 30-10/M05 S366	3	10	
	R908352299	2 TH6 RP 070-10/M 01	3	10	
	R908352942	2 TH6 RC 70-10/M01 S470	3	10	

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46	R907140953	4 TH7 H 06-10/M 01	3	10	64558
	R907141454	1 TH7 Z 06-10/M 01	3	10	
	R907142321	2 TH7 Q 06-10/M 05	3	10	
	R907220322	1 TH7 Z 17-10/M 01	3	10	
	R907222257	1 TH7 Z 53-10/M 03 S 172	3	10	
	R907224346	1 TH7 Z 06-10/M 01 S 082	3	10	
	R907228632	1 TH7 Z 90-10/M 03 S 172	3	10	
	R907526702	2 TH7 Q 45-10/M 01	3	10	
	R908350534	1 TH7 Z 91-10/M01	3	10	
	R908351481	1 TH7 QL 91-10/M 01	3	10	
	R908354834	4TH5NR Z 198-40/M01	3	10	64536
	R908354678	4TH5NR Z 252-40/TS M01	3	10	
47	R908355070	4 THEC5 H-41/ 23 5	3	10	29696
	R908355063	4 THEC5 H-41/ 23 5	3	10	
	R908355074	4 THEC5 K-41/ 23 5	3	10	
	R908355422	4 THEC5 I-41/SL18 XMAH 23 5	3	10	
	R908355423	4 THEC5 I-41/SL12348 43 5	3	10	
	R908355506	4 THEC5 H-41/ 03 5	3	10	
	R908354700	4 THES5 Z-41/ 5	3	10	
	R908354603	2 THESW5 RZ-40/5 (6-12 Nm)	3	10	29698
	R908355021	2 THESW5 RZ-40/5 (2-4 Nm)	3	10	
	R908354530	2 THED5 RZ-40/5 S13	3	10	
	R908354525	2 THED5 RZ-40/5	3	10	
	R908354604	4 THESW5 NRZ-40/5 (6-12 Nm)	3	10	29898
	R908354419	4 THEC5 NRZ-40/5 (6-12 Nm)	3	10	
	R908353969	4 THED5 NRZ-40/5 (6-12 Nm)	3	10	
Power brake valves					
48	R900960195	LT 05 MKA-3X/080/02M	5	10	66143
49	R900907143	LT 07 MKA-2X/080/02M	5	10	66146
	R900905251	LT 07 MKA-2X/100/02M	5	10	
50	R900427591	LT 06-A06-3X/150B40/02M	5	10	66191
51	R900504364	LT 08 MMA-2X/025/02M	5	10	66148
	R900413682	LT 08 MMA-2X/100/02M	5	10	

Page	Material num- ber	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
Mobile electronics					
BODAS controllers					
54	R917A08015	RC4-5/30 (not for BODAS-design)	5	5	95205
	R917008789	Gegenstecker 4-5	5	5	
54	R917A10287	RC10-10/31 R917010287 PU1	0	5	95206
	R917010843	BOSCH 94-POLIG	5	5	
BODAS sensors					
55	R917000301	DSM1-10	5	5	95132
	R917002704	Gegenstecker / Connector AMP for DSM1-10	5	5	
	R917010937	DSA 01 S18 K0250 D / 12 P	2	5	95133
	R917010938	DSA 01 S18 K1500 D / 12 P	2	5	
	R917010939	DSA 01 S32 K0250 D / 12 P	2	5	
	R917010940	DSA 01 S32 K1500 D / 12 P	2	5	
	R917010041	DSA 02 S18 K0250 D / 12 P	2	5	
	R917010942	DSA 02 S18 K1500 D / 12 P	2	5	
	R917010943	DSA 02 S32 K0250 D / 12 P	2	5	
	R917010944	DSA 02 S32 K1500 D / 12 P	2	5	
	R917008823	PR3 - 250 G S 05 / 10	5	5	
	R917008824	PR3 - 400 G S 05 / 10	5	5	
	R917008825	PR3 - 600 G S 05 / 10	5	5	95155
	R902602132	Gegenstecker / Connector PR3 AMP Superseal 1,5 3-polig	5	5	
	R902603524	Gegenstecker / Connector PR3 DT04 3-polig / 3-pin für / for PR3 600-M D 36	5	5	
	R917A05562	PR4 - 280 G B 05 / 10	2	5	
	R917A10997	PR4 - 280 G B SE / 10	2	5	
	R917A09842	PR4 - 420 G B 05 / 10	5	5	
	R917A10105	PR4 - 600 M B 05 / 10	10	5	
	R917009890	Gegenstecker/ Connector PR4/ Bosch Compact 3-Pin	5	5	
	0538009252	Temperature Sensor Fluid	20	5	
	0538009203	Temperature Sensor Air	20	5	
	1834484094	Plug for temperature sensor	10	5	95180
					95181

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
BODAS displays					
56	R917010008	BODAS Display DI4-mid Standard Baureihe 10 / series 10	2	5	95272
	R917010009	BODAS Display DI4-mid Professional Baureihe 10 / series 10	2	5	
	R917010011	DI4-mid Montagerahmen / Assembly frame	2	5	
	R917010012	"DI4-mid Entwickler Kabelbaum-Set inkl. Ethernet-USB-Adapter / DI4-mid developer wiring harness set incl. Ethernet-USB-adapter"	2	5	
	R917010013	DI4-mid Videokabel / Video cable	2	5	
	R917010014	DI4-mid Ethernetkabel / Ethernet cable	2	5	
	R917010015	DI4-mid RAM Mount® Set	2	5	
	R917010016	DI4-mid USB-Einbau-Buchse / USB panel jack	2	5	
	R917010017	DI4-mid Hauptstecker-Kit / Main-connector kit	2	5	
	R902109630	BODAS Farb-Videokamera / Color-Video-Camera Standard	2	5	95280
	R902603837	BODAS Farb-Videokamera / Color-Video-Camera Professional	1	5	
	R902603838	"Gegenstecker mit 0,5 mtr. Kabel/Connector with 0.5 mtr cable für/for BODAS Camera"	2	5	
BODAS tools					
57	R902109418	BODAS-service 3.x Diagnosis	5	5	95086
	R902109416	BODAS-service 3.x Full Version	5	5	
	R902109422	BODAS-service Verbindungskabel/cable (CAN and RS232)	5	5	
	R902602780	CAN-USB Interface	5	5	
	R909831291	Diagnosesteckdose / Diagnostics connector (8-pin)	5	5	
	R917012237	BODAS-service 4.X with SOFTKEY-LIZENZ	2	5	95087
	R917011669	BODAS-service 4.X with USB-DONGLE	2	5	
Amplifiers					
58	R902091800	RA2-1/10	5	5	95230
	R902603063	Gegenstecker / Connector 25-Pin JUNIOR-TIME R für/for RA	5	5	

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Compact hydraulics

Cartridge valves – Mechanical valves

60	R901058929	KAV2K2AA/AV	5	5	18107-01
	R901058934	KAV2R2AA/AV	5	5	
	R901082849	KRD2L2AB/LV	5	5	18111-03
	R930005642	041522035635000-VSDN-08A-35	5	5	18318-02
	R930005644	041523038535000-VSDN-10A-35	5	5	18318-03
	R901091914	041149035635000-VSBN-08A-35	5	5	18318-04
	R901113601	041149735635000-VSBN-08A-S-35	5	5	
	R901113609	041155038510000-VSBN-10A-10	5	5	18318-05
	R901113610	041155038520000-VSBN-10A-20	5	5	
	R901115702	041155038535000-VSBN-10A-35	5	5	
	R930000335	041210035720000-VSPN-12A-20	5	5	18318-09
	R930001026	041211032720000--VSPN-16A-20	5	5	18318-10
	R901113617	041118039935000-VS-30-NC-35	5	5	18318-23
	R901226876	041118039920000-VS-30-NC-20	5	5	
	R901104112	049306038510000-VRPP-10A-10	5	5	18318-50
	R901104113	049306038520000-VRPP-10A-20	5	5	
	R901109740	04950403850200A-VRPR-10A-02-A	5	5	18318-53
	R901102333	04950403850400A-VRPR-10A-04-A	5	5	
	R901007308	043120005600000-VUCN-08A-00	5	5	18318-89
	R901106596	043123008500000-VUCN-10A-00	5	5	18318-90
	R930005884	043123008501000-VUCN-10A-01	5	5	
	R901106613	043128005700000-VUCN-12A-00	5	5	18318-91
	R901106614	043128005705000-VUCN-12A-05	5	5	
	R901106616	043125002700000-VUCN-16A-00	5	5	18318-92
	R901109780	043132005800000-VUCN-20A-00	5	5	18318-93
	R901109781	043132005803000-VUCN-20A-03	5	5	
	R901099896	04330610560000A-VSON-08A-G-00-A	5	5	18319-30
	R901106632	04330510850000A-VSON-10A-G-00-A	5	5	18319-31
	R901106636	043308102700000-VSON-16A-G-00	5	5	18319-33
	R901104068	04330610200000A-VSON-08U-G-00-A	5	5	18319-39
	R901106639	04330710860000A-VSON-12U-G-00-A	5	5	18319-40
	R901106641	043309104700000-VSON-16U-G-00	5	5	18319-41
	R930081221	04522003562000M-VBSN-08AA-4:1-20-200B-M	10	5	18320-01
	R930081224	04522003563500M-VBSN-08AA-4:1-35-350B-M	10	5	18320-01
	R930081266	04523103853500M-VBSN-10A-3:1-35-350B-M	10	5	18320-02
	R930081264	04523103852000M-VBSN-10A-3:1-20-200B-M	10	5	
	R930081268	04523110853500M-VBSN-10A-8:1-35-350B-M	10	5	
	R930081270	04522803573500M-VBSN-12A-4:1-35-350B-M	10	5	18320-03
	R930079984	04522903273500M-VBSN-16A-4:1-35-350B-OR&	10	5	18320-04
	R930081331	04591603853500M-VBST-10A-3:1-35-350B-OR&	10	5	18320-12
	R930081333	04592603573500M-VBST-12A-4:1-35-350B-OR&	10	5	18320-13
	R930081339	04592703273500M-VBST-16A-4:1-35-350B-OR&	10	5	18320-14
	R930081254	04524210202000M-VBSN-08UU-RS-4:1-20-210&	10	5	18320-16

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60	R930081234	04524303202000M-VBSN-08U-RS-3:1-20-200B&	10	5	18320-17
	R930081237	04524303203500M-VBSN-08U-RS-3:1-35-350B&	10	5	
	R930081249	04524310203500M-VBSN-08U-RS-8:1-35-350B&	10	5	
	R930081279	04524403862000M-VBSN-12U-RS-4:1-20-200B&	10	5	18320-18
	R930081281	04524403863500M-VBSN-12U-RS-4:1-35-350B&	10	5	
	R930081291	04524503474000M-VBSN-16U-RS-4:1-40-350B&	10	5	18320-19
	R901096086	040501008530000-DRFN-10A-30	5	5	18321-24
	R930053928	04050200270900A-DRFN-16A-09	5	5	18321-25
	R930053929	04050200271300A-DRFN-16A-13	5	5	
	R930053931	04050200271600A-DRFN-16A-16	5	5	
	R901109367	OD21010456-VSTXX06-18X04	5	5	18321-26
	R901109366	OD21010356-VSTXX06-18X04	5	5	
	R901109830	OD210103360000-VSTXX09-36X03	5	5	18321-27
	R901109831	OD210104360000-VSTXX09-36X04	5	5	
	R901109832	OD210103890000-VSTXX12-89X03	5	5	18321-28
	R901109837	OD210103750000-VSTXX12-75X03	5	5	18321-29
	R901109838	OD210104750000-VSTXX12-75X04	5	5	
	R900574353	MH2FR 12 KA2X/0,7V	10	5	18321-31
	R930081461	040505005710000-DRFN-12A-10	5	5	18321-33
	R930060944	OD151219A000000-VEI-016-NO-08S-A-12-0000	5	5	18323-28
	R930058710	OD133051D000000-VED-016-32-08A-D-30-0000 5	5	5	18324-08
	R900345745	M-SR 10 KE02-1X/	5	5	20380
	R900344549	M-SR 10 KE05-1X/	20	5	
	R900348632	M-SR 10 KE05-1X/V	5	5	
	R900346857	M-SR 10 KE15-1X/	5	5	
	R900346936	M-SR 10 KE30-1X/	10	5	
	R900360254	M-SR 15 KE00-1X/	5	5	
	R900348943	M-SR 15 KE02-1X/	10	5	
	R900345372	M-SR 15 KE05-1X/	20	5	
	R900350794	M-SR 15 KE05-1X/V	5	5	
	R900346858	M-SR 15 KE15-1X/	5	5	
	R900346082	M-SR 15 KE30-1X/	5	5	
	R900348818	M-SR 15 KE50-1X/	5	5	
	R900345744	M-SR 20 KE02-1X/	20	5	
	R900377614	M-SR 20 KE02-1X/V	5	5	
	R900340979	M-SR 20 KE05-1X/	20	5	
	R900350795	M-SR 20 KE05-1X/V	10	5	
	R900346859	M-SR 20 KE15-1X/	5	5	
	R900346638	M-SR 20 KE30-1X/	20	5	
	R900348318	M-SR 20 KE50-1X/	5	5	
	R900357739	M-SR 25 KE02-1X/	20	5	
	R900344778	M-SR 25 KE05-1X/	20	5	
	R900357445	M-SR 25 KE05-1X/V	5	5	
	R900348453	M-SR 25 KE15-1X/	10	5	
	R900346391	M-SR 25 KE30-1X/	10	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
60	R900351943	M-SR 25 KE50-1X/	5	5	20380
	R900352608	M-SR 30 KE00-1X/	5	5	
	R900345743	M-SR 30 KE02-1X/	10	5	
	R900356970	M-SR 30 KE02-1X/V	10	5	
	R900344919	M-SR 30 KE05-1X/	20	5	
	R900350797	M-SR 30 KE05-1X/V	5	5	
	R900348666	M-SR 30 KE15-1X/	10	5	
	R900345961	M-SR 30 KE30-1X/	5	5	
	R900349973	M-SR 30 KE50-1X/	5	5	
	R900361981	M-SR 8 KE00-1X/	10	5	
	R900357438	M-SR 8 KE02-1X/	10	5	
	R900346083	M-SR 8 KE05-1X/	10	5	
	R900357718	M-SR 8 KE05-1X/V	5	5	
	R900348143	M-SR 8 KE15-1X/	5	5	
	R900348329	M-SR 8 KE30-1X/	10	5	
	R900356258	M-SR 8 KE50-1X/	20	5	
	R900425164	DBDA 10 K1X/315	5	5	25402
	R900425082	DBDA 6 K1X/315	5	5	
	R900423891	DBDH 10 K1X/100	5	5	
	R900424190	DBDH 10 K1X/200	20	5	
	R900424183	DBDH 10 K1X/315	10	5	
	R900424199	DBDH 6 K1X/100	5	5	
	R900424200	DBDH 6 K1X/200	5	5	
	R900424201	DBDH 6 K1X/315	5	5	
	R900424202	DBDH 6 K1X/400	5	5	
	R900424734	DBDH 6 K1X/50	5	5	
	R900424147	DBDS 10 K1X/100	5	5	
	R900424149	DBDS 10 K1X/200	20	5	
	R900420276	DBDS 10 K1X/25	5	5	
	R900424150	DBDS 10 K1X/315	10	5	
	R900424151	DBDS 10 K1X/315V	10	5	
	R900424152	DBDS 10 K1X/400	5	5	
	R900457420	DBDS 10 K1X/400V	20	5	
	R900424153	DBDS 10 K1X/50	20	5	
	R900427601	DBDS 10 K1X/630	5	5	
	R900424267	DBDS 20 K1X/100	10	5	
	R900424268	DBDS 20 K1X/100V	20	5	
	R900424269	DBDS 20 K1X/200	20	5	
	R900424270	DBDS 20 K1X/200V	5	5	
	R900422542	DBDS 20 K1X/25	5	5	
	R900424271	DBDS 20 K1X/315	20	5	
	R900424082	DBDS 20 K1X/315V	5	5	
	R900424203	DBDS 20 K1X/400	20	5	
	R900424204	DBDS 20 K1X/400V	5	5	
	R900424205	DBDS 20 K1X/50	5	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
60	R900424284	DBDS 30 K1X/100	10	5	25402
	R900424286	DBDS 30 K1X/200	10	5	
	R900422543	DBDS 30 K1X/25	5	5	
	R900424288	DBDS 30 K1X/315	20	5	
	R900424283	DBDS 30 K1X/315V	5	5	
	R900424282	DBDS 30 K1X/50	5	5	
	R900423723	DBDS 6 K1X/100	10	5	
	R900423724	DBDS 6 K1X/200	20	5	
	R900424321	DBDS 6 K1X/200V	5	5	
	R900420245	DBDS 6 K1X/25	5	5	
	R900423725	DBDS 6 K1X/315	20	5	
	R900428388	DBDS 6 K1X/315V	5	5	
	R900423726	DBDS 6 K1X/400	5	5	
	R900438939	DBDS 6 K1X/400V	5	5	
	R900423727	DBDS 6 K1X/50	10	5	
	R900393389	DBDS 4 K1X/200V	5	5	25710
	R900400423	DBDS 4 K1X/50V	5	5	
	R900529359	DBDS 4 K1X/100V	5	5	
	R900430681	DB 10 K2-4X/100Y	5	5	25731
	R900453240	DB 10 K2-4X/100YV	5	5	
	R900481084	DB 10 K2-4X/200Y	5	5	
	R900438123	DB 10 K2-4X/200YV	5	5	
	R900438126	DB 10 K2-4X/315YV	5	5	
	R900422817	DB 10 K2-4X/50YV	10	5	
	R900486196	DB 6 K2-4X/200YV	5	5	
	R900483441	DB 6 K2-4X/315YV	20	5	
	R900487903	DB 6 K2-4X/50YV	20	5	
	R900470297	DB 20 K2-1X/100XY	5	5	25818
	R900412315	DB 20 K2-1X/100Y	5	5	
	R900470298	DB 20 K2-1X/200XY	10	5	
	R900412316	DB 20 K2-1X/200Y	5	5	
	R900493939	DB 20 K2-1X/315XY	5	5	
	R900347608	DB 20 K2-1X/315XYU	20	5	
	R900497224	DB 20 K2-1X/315Y	5	5	
	R900470299	DB 20 K2-1X/350XY	5	5	
	R900412317	DB 20 K2-1X/350Y	20	5	
	R900459508	DR 10 K5-3X/100YM	20	5	26850
	R900438134	DR 10 K5-3X/200YM	10	5	
	R900430682	DR 10 K5-3X/315YM	10	5	
	R900422568	DR 10 K5-3X/50YM	20	5	
	R900474526	DR 20 K5-1X/200YM	5	5	26893
	R900474524	DR 20 K5-1X/50YM	5	5	
	R900572182	2FRM 6 K2-1X/32QRV	5	5	28155
	R900905886	2FRM 6 K2-1X/6QRV	5	5	
	R901224584	MHDBV 22 K2-3X/420YMGD	5	5	64606

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
Cartridge valves – Solenoid valves					
61	R901070103	KKDER1CA/HN9V	5	5	18136-04
	R901070094	KKDER1CA/HN0V	5	5	
	R901070099	KKDER1UA/HN0V	10	5	
	R901070105	KKDER1UA/HN9V	5	5	
	R901070118	KKDER1DA/HN0V	5	5	18136-05
	R901070125	KKDER1DA/HN9V	5	5	
	R901070123	KKDER1EA/HN0V	5	5	
	R901070127	KKDER1EA/HN9V	5	5	
	R901069995	KKDER1NA/HN0V	5	5	18136-06
	R901083194	KS DER1NB/HN0V	5	5	18136-20
	R901151293	KS DER1NB/HN11V	5	5	
	R901083196	KS DER1PB/HN0V	5	5	
	R901151294	KS DER1PB/HN9V	5	5	
	R901083202	KS DEU1NB/HN0V	5	5	18136-21
	R901083203	KS DEU1PB/HN0V	5	5	
	R901083205	KS DER1CB/HN0V	5	5	
	R901083191	KS DER1UB/HN0V	5	5	
	R901151288	KS DER1UB/HN9V	5	5	18136-23
	R901083198	KS DEU1CB/HN0V	5	5	
	R901252718	KS DER0NA/BN0V	5	5	
	R901252715	KS DER0NA/BN11V	5	5	
	R930058697	OD150118A000000-VEI-016-NC-08A-A-01-0000	10	5	18323-25
	R930059941	OD150118D000000-VEI-016-NC-08A-D-01-0000	5	5	
	R930062828	OD150318A000000-VEI-016-NC-08A-A-03-0000	5	5	
	R930058427	OD150518A000000-VEI-016-NC-08A-A-05-0000	50	5	
	R930063229	OD150518A800000-VEI-S16-NC-08A-A-05-0000	5	5	18323-26
	R930058344	OD150518D000000-VEI-016-NC-08A-D-05-0000	5	5	
	R930058898	OD153118D000000-VEI-016-NC-08A-D-31-0000	5	5	
	R930058435	OD150618A000000-VEI-016-NO-08A-A-06-0000	20	5	
	R930058438	OD150618B000000-VEI-016-NO-08A-B-06-0000	10	5	18323-31
	R930064101	OD153218A000000-VEI-016-NO-08A-A-32-0000	20	5	
	R930059442	OD150218A000000-VEI-016-NO-08A-A-02-0000	5	5	
	R930060895	OD150218B000000-VEI-016-NO-08A-B-02-0000	5	5	
	R930063422	OD153218B000000-VEI-016-NO-08A-B-32-0000	5	5	18323-32
	R930065329	OD150418A000000-VEI-016-NO-08A-A-04-0000	5	5	
	R930064863	OD150404A000000-VEI-016-NA-16G-A-04-0000	5	5	
	R930063002	OD150536A000000-VEI-016-NC-10A-A-05-0000	5	5	
	R930065511	OD153136A000000-C1_ SAMPLE_VEI-016-NC-1&	10	5	18323-33
	R930066658	OD153136D000000-C1_ SAMPLE_VEI-016-NC&	5	5	
	R930062969	OD150536D000000-VEI-016-NC-10A-D-05-0000	5	5	
	R930065844	OD150536A800000-VEI-S16-NC-10A-A-05-0000	5	5	
	R930061730	OD150636A000000-C1_ SAMPLE_VEI-016-NO-10&	10	5	18323-39
	R930061347	OD150589A000000-VEI-016-NC-12A-A-05-0000	5	5	
	R930067154	OD153189A000000-C1_ SAMPLE_VEI-016-NC&	5	5	
	R930069498	OD153189D000000-C1_ SAMPLE_VEI-016-NC-1&	5	5	

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61	R930063151	OD150689A000000-C1_SAMPLE_VEI-016-NO-12&	10	5	18323-40
	R930066971	OD153289A000000-C1_SAMPLE_VEI-016-NO-1&	5	5	
	R930058329	OD113118A000000-VED-016-NC-08A-A-31-0000	5	5	18324-02
	R930058342	OD131051A000000-VED-016-32-08A-A-10-0000	5	5	18324-08
	R930058704	OD131151A000000-VED-016-32-08A-A-11-0000	5	5	
	R930058703	OD132051A000000-VED-016-32-08A-A-20-0000	5	5	
	R930058709	OD132051D000000-VED-016-32-08A-D-20-0000	5	5	
	R930065237	OD143158B000000-VED-016-43-08A-B-31-0000	5	5	
	R900578533	FTWE 2 KC3X/100AG12C4V	10	5	58007
	R900578535	FTWE 2 KC3X/100AG24C4V	10	5	

Cartridge valves – Proportional valves

62	R901480554	KUDSR3C1B/FN9V	5	5	RD18702
	R901480557	KUDSR3C2B/FN9V	10	5	
	R901480558	KUDSR3CB/FN9V	10	5	
	R901048791	KBPS8AA/HCG12C4V	5	5	18139-04
	R901049817	KBPS8AA/HCG24K4V	10	5	
	R901027408	KBPS8AA/HCG24K4V	5	5	
	R901049877	KBPS8AA/HCG24K4V	10	5	
	R901069687	KBPS8AA/HCG24C4V	5	5	
	R901047007	KBPS8AA/HCG24K4V	5	5	
	R901064392	KBPS8AA/HCG24K40V	5	5	
	R901049860	KBPS8AA/HCG24K4V	5	5	
	R901047001	KBPS8AA/HCG24K40V	5	5	
	R901049865	KBPS8AA/HCG24K4V	10	5	
	R901045871	KBPS8AA/HCG24K40V	5	5	
	R901018602	KBPS8BA/HCG24C4V	5	5	18139-05
	R901026207	KBPS8BA/HCG24K40V	5	5	
	R901188705	KBPS8BA/HCG24K40V	5	5	
	R901018607	KBPS8BA/HCG24C4V	5	5	
	R901023172	KKDSR1NB/HCG24N0K4V	5	5	18139-06
	R901024015	KKDSR1PB/HCG24N0K4V	5	5	
	R901032852	KBVSL3BA/LCG24K4V	5	5	18139-07
	R901231047	KBVSL3BA/LCG24K40V	5	5	
	R901026317	KBVSN3BA/LCG24C4V	5	5	
	R901250625	KBVSN3BA/LCG24K40V	5	5	
	R901036386	KBVSP3BA/LCG12C4-220V	10	5	
	R901036405	KBVSP3BA/LCG24C4-220V	10	5	
	R901081951	KBVSR3BA/LCG24C4V	5	5	
	R901022444	KBVSR3BA/LCG24K4V	5	5	
	R901074596	KKDSR2NA/HCG24N9K4V	5	5	18139-09
	R901055340	KKDSR2NA/HCG24N9C4V	5	5	
	R901325099	KBVSF1BA/FV	5	5	18152
	R901325102	KBVSH1BA/FV	5	5	
	R901325105	KBVSL1BA/FV	5	5	
	R901325107	KBVSN1BA/FV	5	5	

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62	R901391947	KTVSL1AA/FCG12K40V	5	5	18166
	R901427613	KTVSL1AA/FCG24K40V	5	5	
	R900726604	FTDRE 2 K3X/18AG12C4V-8	5	5	
	R900701407	FTDRE 2 K3X/18AG24C4V-8	10	5	58032
	R901377808	FTDRE 2 K3X/18AG24N0C4V-8	10	5	
	R901060306	FTDRE 4 K1X/30AG12C4V-8	5	5	
	R901377824	FTDRE 4 K1X/30AG24N0C4V-8	5	5	58038
	R901478532	DRE05SK1X/20PAG12N0K40ZV	5	5	
	R901479096	DRE05SK1X/20PAG24N0K40ZV	5	5	
	R901479108	DRE05SK1X/30PAG12N0K40ZV	5	5	64659
	R901479075	DRE05SK1X/30PAG24N0K40ZV	5	5	

Load holding / Motion control valves

64	R987274543	08479600034000B A-VBC-90-T-E-12-40-SX-B	5	5	18309-04
	R930006444	083960030235000 A-VBSO-SE30-FC2-PI-PL-3&	5	5	18307-33
	R930001860	054247030235000-VBSO-DE-NN-38-35	5	5	18307-57
	R930001880	054248030235000-VBSO-DE-FCB-NN-38-35	5	5	18307-58
	R930001761	05420103033500A VBSO-DE-12-35-A	5	5	18307-63
	R930001773	05420103043500A VBSO-DE-34-35-A	5	5	
	R930006445	084811030235000 A-VBSO-DE-30-CSL-PI-38-&	5	5	18307-72
	R930006818	084811030335000 A-VBSO-DE-30-CSL-PI-12-&	5	5	
	R930006447	084812030335000 A-VBSO-DE-30-FCB-PI-12-&	5	5	18307-73
	R930050897	08453813733500G A-VBSO-SE-42-FA100SAE35&	5	5	18308-42
	R930006459	08478403724000C A-VBC33-FC-34SAE6000-40&	5	5	18309-09
	R930090333	084785037218010	5	5	18309-10
	R930085349	084785037322010	5	5	18309-11
	R930086028	084785036404010	5	5	18309-12

Compact directional valves

65	R930059682	L7002A03AI00000-KS.VS70-1/4G-A-A-DI-N	5	5	18302-01
	R930059698	L7002A03NI00000-KS.VS70-1/4G-A-AN-DI-N	5	5	
	R933001421	L7053113AI00000-KS.VS81-3/8G-DZ-A-DI-N	5	5	18302-02
	R933001476	L7053113NI00000-KS.VS81-3/8G-DZ-AN-DI-N	5	5	
	R933001477	L7053113NIOB010-SE.VS81-3/8G-DZ-AN-DI-1&	5	5	
	R933001503	L7054113AI00000-KS.VS82-1/2G-DZ-A-DI-N	5	5	
	R933001555	L7054113NI00000-KS.VS82-1/2G-DZ-AN-DI-N	5	5	
	R933001625	L7064143AI00000-KS.VS91-1/2G-DZ-A-DI-N	5	5	18302-03
	R933001651	L7064143NI00000-KS.VS91-1/2G-DZ-AN-DI-N	5	5	
	R933001687	L7065143NIOB010-SE.VS92-3/4G-DZ-AN-DI-1&	5	5	
	R930059704	L7102A06AE00000-KS.VS120-1/4G-A-P1C1-DE&	5	5	18302-04
	R933001829	L7213116AI00000-KS.VS151-3/8G-DZ-P1C1-D&	5	5	18302-05
	R933001842	L7213116BI00000-KS.VS151-3/8G-DZ-P1C1N-&	5	5	
	R933001878	L7214116AI00000-KS.VS152-1/2G-DZ-P1C1-D&	5	5	
	R933001888	L7214116BI00000-KS.VS152-1/2G-DZ-P1C1N-&	5	5	
	R933001944	L7253116AI00000-KS.VS161-3/8G-DZ-P1C1-D&	5	5	
	R933002084	L7534146AI00000-KS.VS311-1/2G-DZ-P1C1-D&	5	5	18302-07
	R933002121	L7535146AI00000-KS.VS312-3/4G-DZ-P1C1-D&	5	5	
	R933002132	L7535146BI00000-KS.VS312-3/4G-DZ-P1C1N-&	5	5	

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
65	R930059691	L7112A06AI00000-KS.VS120F1-1/4G-A-P1C1-&	5	5	18302-08
	R933001983	L7323116BI00000-KS.VS241F1-3/8G-DZ-P1C1&	5	5	18302-09
	R930059670	L7002A03AE00000-KS.VS70-1/4G-A-A-DE-N	5	5	18302-14
Solenoids					
61	R933000063	C48-01-OB-12DC-36W-H-D19-271-0520	5	5	–
	R933000076	C48-01-OC-24DC-36W-H-D19-271-0521	5	5	–
	R933000065	C48-03-OB-12DC-36W-H-D19-271-0520005	5	5	–
	R933000068	C48-07-OB-12DC-36W-H-D19-271-052004	5	5	–
	R933000075	C48-07-OC-24DC-36W-H-D19-271-052009	5	5	–
	R933000100	C65-01-OB-12DC-44W-H-D25.7-281-0617	5	5	–
	R901003044	MAGNETSPULE 37-C4 - R2,3 00	10	5	18325-90
	R901003026	MAGNETSPULE 37-C4 - R4,8 00	5	5	
	R901049963	MAGNETSPULE 37-C4__-__R11,5_00	5	5	
	R900315819	MAGNETSPULE 37-C4-22G24 00	5	5	
	R901002932	MAGNETSPULE 37-K4-R2,3 00	10	5	
	R901002319	MAGNETSPULE 37-K4-R4,8 00	5	5	
	R900991121	MAGNETSPULE 37-K4-22G24 00	10	5	
	R901049962	MAGNETSPULE 37-K4__-__R11,5_00	5	5	
	R900991678	MAGNETSPULE 37-K4__-22G12__00	5	5	
	R901003053	MAGNETSPULE 37-K40-R4,8 00	5	5	
	R900729189	MAGNETSPULE 37-K40-22G12 00	20	5	
	R900729190	MAGNETSPULE 37-K40-22G24 00	5	5	
	R901003055	MAGNETSPULE 37-K40__-__R2,3_00	5	5	
	R901022174	MAGNETSPULE 45-K4-R7,2 00	20	5	
	R901022680	MAGNETSPULE 45-C4-R3,3 00	10	5	
	R901022683	MAGNETSPULE 45-C4-R7,2 00	10	5	
	R901029700	MAGNETSPULE 45-C4__-__R22,5_00	5	5	
	R901272648	MAGNETSPULE 45-K40- -R3.3 00	5	5	
	R901272647	MAGNETSPULE 45-K40 - -R7.2 00	10	5	
	R901192841	MAGNETSPULE 45-K40__-__R22,5_00	5	5	
	R901394399	BOBINA OD0236223POC00-36-K40	5	5	
	R901435521	BOBINA OD02U60130OC00-36-K4	5	5	
	R901393412	BOBINA 36-K4 -20G12 02	5	5	
	R901393577	BOBINA 36-K4 -20G24 02	5	5	
	R901394225	BOBINA 36-K4 -20G24 S02	5	5	
	R901394391	BOBINA 36-K40 -20G12 02	5	5	
	R901394397	BOBINA 36-K40 -20G12 S02	5	5	
	R901394393	BOBINA 36-K40 -20G24 02	5	5	
	R901435508	OD02360730OB00-36-C4Z -20G12 02	5	5	
	R901435506	OD02360730OC00-36-C4Z -20G24 02	5	5	
	R901435507	OD02361530OB00-36-C4Z -20G12 S02	5	5	
	R901435494	OD02361530OC00-36-C4Z -20G24 S02	5	5	
	R901435524	OD02362030OB00-36-K40Z -20G12 02	5	5	
	R901435526	OD02362030OC00-36-K40Z -20G24 02	5	5	
	R901435525	OD02362230OB00-36-K40Z -20G12 S02	5	5	
	R901435527	OD02362230OC00-36-K40Z -20G24 S02	5	5	
	R900315818	MAGNETSPULE 37-C4__-22G12__00	5	5	10014

Page	Material number	Description (Type code / SAP description)	Maximum GoTo quantity (units)	Delivery time (working days) ex works	Data sheet
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Systems

Hydrostatic fan drives

68	0511425608	AZMF-12-008UCB20PX-S0570	2	5	14026
	0511525613	AZMF-12-011UCB20PX-S0570	2	5	
	0511525614	AZMF-12-014UCB20PX-S0570	2	5	
	0511625620	AZMF-12-016UCB20PX-S0570	2	5	
	0511625621	AZMF-22-019UCB20PX-S0077	2	5	
	0511725617	AZMF-22-022UCB20PX-S0077	2	5	
	0511625613	AZMN-22-020UCB20PX-S0592	2	5	
	0511725609	AZMN-22-022UCB20PX-S0592	2	5	
	0511725610	AZMN-22-025UCB20PX-S0592	2	5	
	0511725611	AZMN-22-028UCB20PX-S0592	2	5	
	0511725614	AZMN-22-032UCB20PX-S0592	2	5	
	0511725612	AZMN-22-036UCB20PX-S0592	2	5	
	R902651116	OELBEHAELTER TMP08/10-G1012VS0L1	2	10	95721
	R902476412	OELBEHAELTER TMP08/10-G1012ES0L1	2	10	
	R902484689	OELBEHAELTER TMP08/10-G1012ES1L1	2	10	
	R902492164	OELBEHAELTER TMP08/10-G1012ES1L1	2	10	
	R917009775	RC 4-5/30 + AFC30	2	5	95205 + 95362
	R917008789	Connector 56-pin for RC 4-5/30	5	5	95205
	R909831291	Diagnosis Socket	5	5	95086
	0538009203	Temperature Sensor Air	5	5	95181
	0538009252	Temperature Sensor Fluid	5	5	95180
	1834484094	Connector for TSF / TSA	5	5	95180 + 95181
	R902109418	BODAS Service 3.x Diagnosis	2	5	95086
	R902109422	BODAS Service cable (CAN and RS232)	2	5	
	R902602780	CAN USB Interface	2	5	

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