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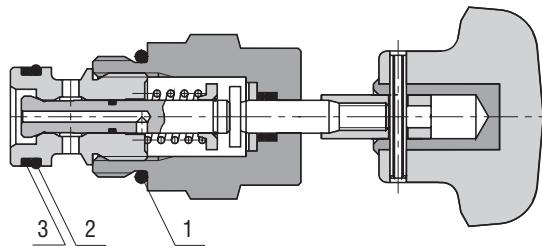
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1 Directional Control Valves and Poppet Valves

Product (Datasheet): [ROR3-062 \(4025\)](#)
Cavity QG2 M22x1.5

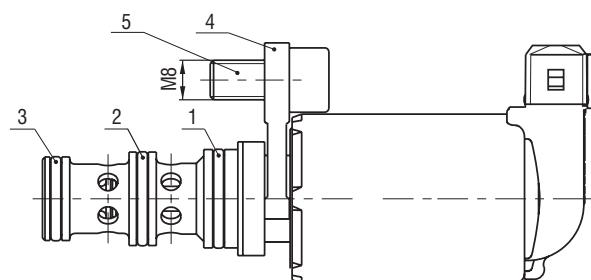
- 1 - O-ring
2 - O-ring
3 - Back-up ring



Position	ROR3-062										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	14x1.78	1	3	14.73x17.43x1.1	1	15650200
	FPM		19.4x2.1	2		14x1.78	4		14.73x17.43x1.1	2	16954700

Product (Datasheet): [PD2E1 \(4050\)](#)
**Cavity D17/Y3
Cavity D20/X3, W3**

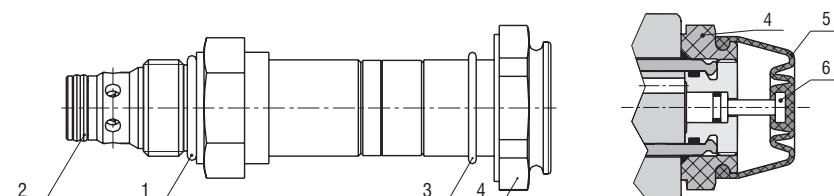
- 1, 2, 3 - O-ring
4 - Fork Slip-In M8
5 - Bolt M8x16 (ISO 4762)



Position	PD2E1										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
Cavity Y3	NBR	3	11.2x1.8	1	2	12.42x1.78	1	1	14x1.78	1	17938600
	FPM	3	11.2x1.8	1	2	12.42x1.78	1	1	14x1.78	1	On request
Cavity X3, W3	NBR	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	16961300
	FPM	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	On request
4+5	Kit - Fork+Bolt M8	Pos.		Pcs	Pos.			Pcs			Ordering No.
		4	Fork SLIP-IN M8	1	5	Bolt M8x16 021143 Zn / PO-A	1				16961500

Product (Datasheet): [SD1E-A2 \(4070\), SD2E-A2 \(4040\), SD3E-A2 \(4043\), SD1M-A2/L \(4051\)](#)
Cavity A2 3/4-16 UNF

- 1 - O-ring
2 - Dualseal
3 - O-ring
4 - Retaining nut
5 - Rubber boot protector
6 - Actuating pin



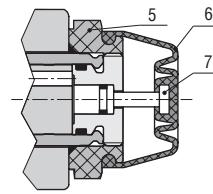
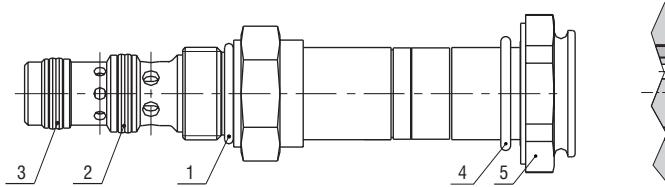
Position	SD2E-A2/L, SD3E-A2/L, SD1M-A2/L										
1+2	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	10.3x12.7x3.1	1	1	17x1.8	1	-	-	-	20776700
	FPM	2	10.3x12.7x3.1	1	-	-	-	1	17.17x1.78	1	17014300
Position SD2E-A2/L, SD3E-A2/L											
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				15691500
		3	13x2	1	4	Plastic	1				
Position SD2E-A2/L											
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				29269100
	for M2	5		1	6		1				
Position SD1E-A2/H, SD2E-A2/H, SD3E-A2/H											
1+2	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	10.3x12.7x3.1	1	1	17x1.8	1	-	-	-	20776700
	FPM	2	10.3x12.7x3.1	1	-	-	-	1	17.17x1.78	1	17014300
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				20777000
		3	18x1.5	1	4	Plastic	1				
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				24142700
	for M2	5		1	6		1				

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): [SD1E-A3 \(4071\), SD2E-A3 \(4041\), SD6H-AY3 \(4052\)](#)
Cavity A3, AY3 3/4-16 UNF

- 1 - O-ring
2, 3 - Dualseal
4 - O-ring
5 - Retaining nut
6 - Rubber boot protector
7 - Actuating pin


Position SD2E-A3/L

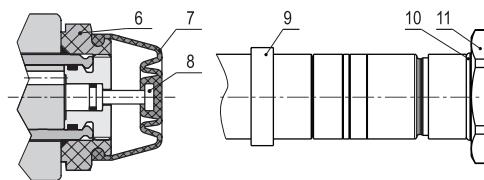
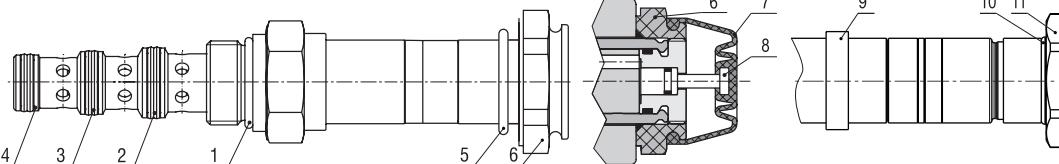
Position	SD2E-A3/L	Pos.	Dualeal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2+3	Seal Kit	3	11.87x14.27x3.1	1	1	17x1.8	1	-	-	-	15661700
		2	13.47x15.87x3.1	1							
	NBR	3	11.87x14.27x3.1	1	-	-	-	1	17.17x1.78	1	20777200
		2	13.47x15.87x3.1	1							
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	13x2	1	5	Plastic	1				15691500
6+7	Kit for M2	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
		6		1	7		1				29269100

Position SD1E-A3/H, SD2E-A3/H, SD6H-AY3/H

Position	SD1E-A3/H, SD2E-A3/H, SD6H-AY3/H	Pos.	Dualeal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2+3	Seal Kit	3	11.87x14.27x3.1	1	1	17x1.8	1	-	-	-	15661700
		2	13.47x15.87x3.1	1							
	NBR	3	11.87x14.27x3.1	1	-	-	-	1	17.17x1.78	1	20777200
		2	13.47x15.87x3.1	1							
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	18x1.5	1	5	Plastic	1				20777000
6+7	Kit for M2	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
		6		1	7		1				24142700

Product (Datasheet): [SD2E-A4 \(4042\), SD2E-A4/H3 \(4097\), SD6H-AY4 \(4053\)](#)
Cavity A4, AY4 3/4-16 UNF

- 1 - O-ring
2, 3, 4 - Dualseal
5 - O-ring
6 - Retaining nut
7 - Rubber boot protector
8 - Actuating pin
9, 10, 11 - kit for M7, M9 (SD2E-A4/H3)


Position SD2E-A4/L

Position	SD2E-A4/L	O-ring								Pcs	Ordering No.
1+2+3+4	Seal Kit	Pos.	Dualeal PU	Pcs	Pos.	NBR		FPM	-		
		4	10.3x12.7x3.1	1	1	17x1.8				1	20777300
		3	11.87x14.27x3.1	1							
	NBR	2	13.47x15.87x3.1	1							
1+2+3+4		4	10.3x12.7x3.1	1	1	-		17.17x1.78	-	1	20777400
FPM	3	11.87x14.27x3.1	1								
	2	13.47x15.87x3.1	1								
5+6	Sada	Pos.	O-ring	Pcs	Pos.	Retaining nut				Pos	Ordering No.
		5	13x2	1	6	Plastic				1	15691500
7+8	Kit for M2	Pos.	Rubber boot	Pcs	Pos.	Actuating pin				Pos	Ordering No.
		7		1	8					1	29269100

Position SD2E-A4/H, SD2E-A4/H3, SD6H-AY4/H

Position	SD2E-A4/H, SD2E-A4/H3, SD6H-AY4/H	O-ring								Pcs	Ordering No.
1+2+3+4	Seal Kit	Pos.	Dualeal PU	Pcs	Pos.	NBR		FPM	HNBR		
		4	10.3x12.7x3.1	1	1	17x1.8				1	20777300
		3	11.87x14.27x3.1	1							
	NBR	2	13.47x15.87x3.1	1							
1+2+3+4		4	10.3x12.7x3.1	1	1	-		17.17x1.78	-	1	20777400
FPM	3	11.87x14.27x3.1	1								
	2	13.47x15.87x3.1	1								
HNBR	4	10.3x12.7x3.1	1	1	-			17.17x1.78	1	44499800	
	3	11.87x14.27x3.1	1								
	2	13.47x15.87x3.1	1								

Position SD2E-A4/H

Position	SD2E-A4/H	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		5	18x1.5	1	6	Plastic	1	20777000

Position SD2E-A4/H3

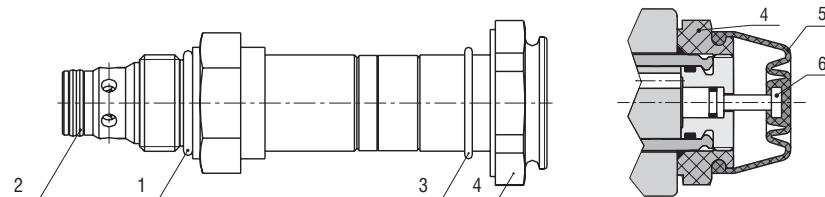
Position	SD2E-A4/H3	Pos.	Washer	Pcs	Pos.	O-ring	Pcs	Pos.	Hexagon nut	Pcs	Ordering No.
9+10+11	Kit for M7, M9	9	for coil C19	1	10	15x1.8 VMQ	1	11	M18x1x4x27 PO-B	1	44498500

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **SD2E-B2 (4060), SD3E-B2 (4063), SD3E-C2 (4078)**
Cavity B2 7/8-14 UNF

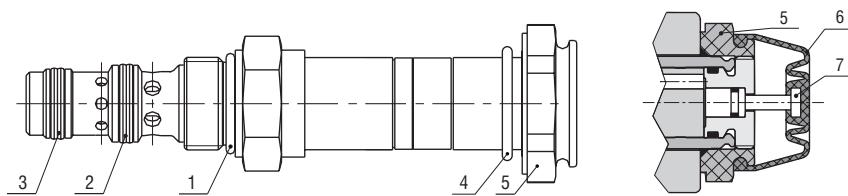
- 1 - O-ring
- 2 - Dalseal
- 3 - O-ring
- 4 - Retaining nut
- 5 - Rubber boot protector
- 6 - Actuating pin



Position	SD2E-B2/L, SD3E-B2/L										
1+2	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960400
	FPM	2	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960500
3+4	Nut Kit	Pos.	O-ring		Pos.	Retaining nut	Pcs				
		3	18x1.5	1	4	Plastic	1				20777000
5+6	Kit	Pos.	Rubber boot		Pos.	Actuating pin	Pcs				
	for M2	5		1	6		1				24142700
Position	SD2E-B2/H, SD3E-B2/H										
1+2	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960400
	FPM	2	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960500
3+4	Nut Kit	Pos.	O-ring		Pos.	Retaining nut					
		3	22x2	1	4	Plastic	1				15844600
3+4+5+6	Kit with retaining nut for M2	Pos.	Rubber boot		Pos.	Actuating pin					
		5		1	6		1				18961700
Position	SD3E-C2/H										
1+2	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	19.62x22.22x3.8	1	1	23.47x2.95	1	-	-	-	40730500
	FPM	2	19.62x22.22x3.8	1	-	-	-	1	23.47x2.95	1	40730600
3+4	Nut Kit	Pos.	O-ring		Pos.	Retaining nut					
		3	22x2	1	4	Plastic	1				15844600
3+4+5+6	Kit with retaining nut for M2	Pos.	Rubber boot		Pos.	Actuating pin					
		5		1	6		1				18961700

Product (Datasheet): **SD2E-B3 (4061)**
Cavity B3 7/8-14 UNF

- 1 - O-ring
- 2, 3 - Dalseal
- 4 - O-ring
- 5 - Retaining nut
- 6 - Rubber boot
- 7 - Actuating pin



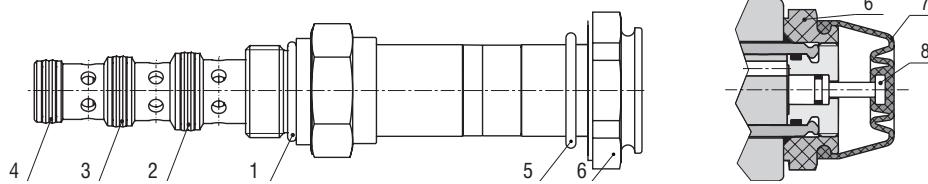
Position	SD2E-B3/L										
1+2+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960700
		2	15.07x17.47x3.1	1	5	Plastic	1				20777000
	FPM	3	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960600
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	18x1.5	1	5	Plastic	1				15844600
6+7	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	6		1	7		1				24142700
Position	SD2E-B3/H										
1+2+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960700
		2	15.07x17.47x3.1	1	5	Plastic	1				20777000
	FPM	3	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960600
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	22x2	1	5	Plastic	1				15844600
4+5+6+7	Kit with retaining nut for M2	Pos.	Rubber boot		Pos.	Actuating pin					18961700
		6		1	7		1				

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **SD2E-B4 (4062)**
Cavity B4 7/8-14 UNF

- 1 - O-ring
2, 3, 4 - Dualseal
5 - O-ring
6 - Retaining nut
7 - Rubber boot
8 - Actuating pin

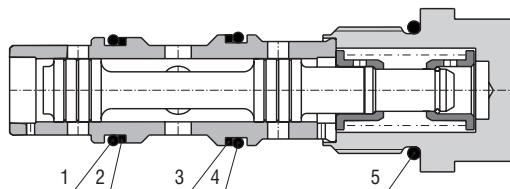


Position	SD2E-B4/L											
1+2+3+4	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
5+6	NBR	4	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960800	
		3	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1					
		2	16.65x19.05x3.1	1	4	13.47x15.87x3.1	1					
	FPM	4	13.47x15.87x3.1	1	3	15.07x17.47x3.1	1	1	19.4x2.1	1	18960900	
		3	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1					
		2	16.65x19.05x3.1	1								
Position	SD2E-B4/L											
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				Ordering No	
		5	18x1.5	1	6	Plastic	1				20777000	
Position	SD2E-B4/L											
7+8	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				Ordering No	
	for M2	7		1	8		1				24142700	

Position	SD2E-B4/H											
1+2+3+4	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
5+6	NBR	4	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960800	
		3	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1					
		2	16.65x19.05x3.1	1	4	13.47x15.87x3.1	1					
	FPM	4	13.47x15.87x3.1	1	3	15.07x17.47x3.1	1	1	19.4x2.1	1	18960900	
		3	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1					
		2	16.65x19.05x3.1	1								
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs					
		5	22x2	1	6	Plastic	1					15844600
5+6+7+8	Kit with retaining nut for M2	Pos.	Rubber boot		Pos.	Actuating pin						
		7		1	8		1					18961700

Product (Datasheet): **SD2H-LA3 (4080)**
Cavity LA3 M24x1.5

- 1 - O-ring
2 - Back-up ring
3 - Back-up ring
4 - O-ring
5 - O-ring



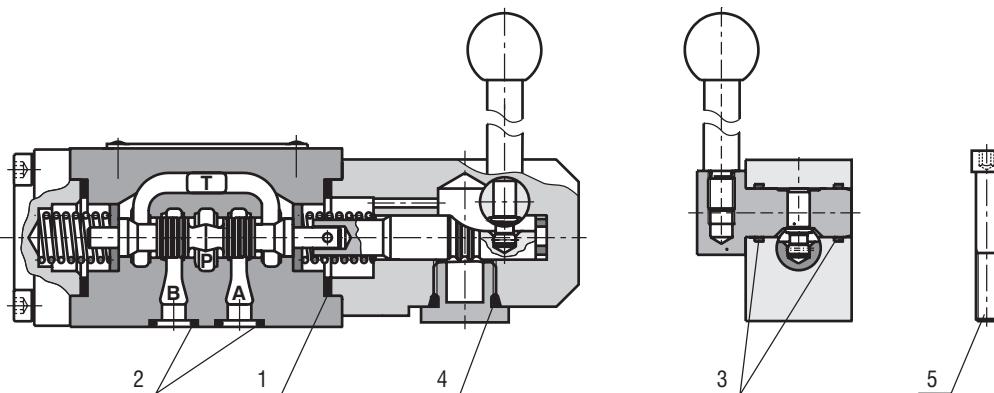
Position	SD2H-LA3											
1+2+3+4+5	Seal Kit	Pos.	O-ring NBR	Pcs	Pos.	Back-up ring (PTFE)	Pcs					Ordering No.
1+2+3+4+5	NBR	1	16x2	1	2	17x20x1.4						1
		4	17X2	1	3	18x21x1.4						40101900
		5	21.3X2.4	1	-							-
1+2+3+4+5	Seal Kit	Pos.	O-ring Viton - FPM	Pcs	Pos.	Back-up ring (PTFE)	Pcs					Ordering No.
	FPM	1	16x2	1	2	17x20x1.4						1
		4	17X2	1	3	18x21x1.4						On request
		5	21.3X2.4	1	-							-

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPR3-04 (4018), RPR3-06 (4004)**
Valve size 04, 06

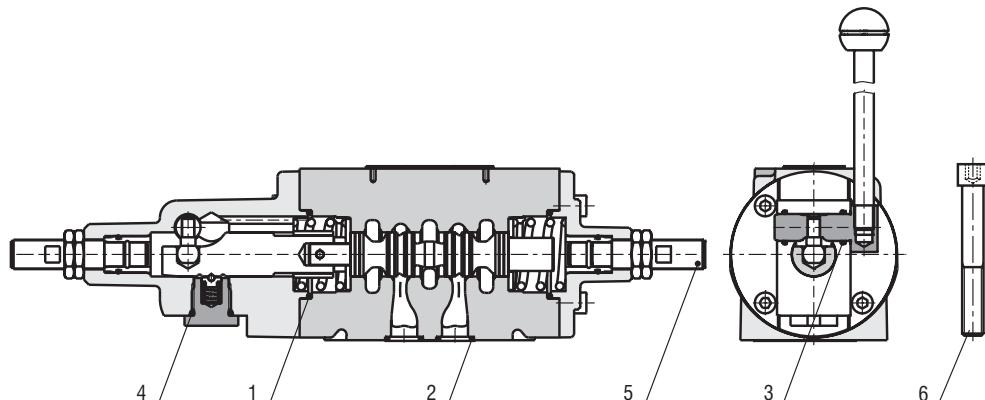
- 1 - O-ring
2 - Square ring (NBR), O-ring (FPM)
3 - O-ring
4 - O-ring
5 - Bolt



Position	RPR3-04																																									
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.																												
	NBR	1	22x2	2	2	Square ring 7.65x1.68	4	3	11x1.5	2	4	11.3x2.4	1	15673600																												
			22x2	2		O-ring 7.5x1.8	4		11x1.5	2		11.3x2.4	1	20897200																												
5	Bolt Kit	Pos.	Mounting bolts for steel plates			Pcs									Ordering No.																											
		5	Bolt M5x35			4									15874600																											
Bolts for flange		M4x16																																								
For studs see Datasheet Studs and Nuts_Dn04_06_10_0020																																										
Position	RPR3-06																																									
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.																												
	NBR	1	22x2	2	2	Square ring 9.25x1.68	4	3	11x1.5	2	4	11.3x2.4	1	15700300																												
			22x2	2		O-ring 9.25x1.78	4		11x1.5	2		11.3x2.4	1	15700600																												
5	Bolt Kit	Pos.	Mounting bolts for steel plates			Pcs									Ordering No.																											
		5	Bolt M5x45			4									15845100																											
Bolts for flange		M5x16													Mounting bolts for flange are not available																											
For studs see Datasheet Studs and Nuts_Dn04_06_10_0020																																										

Product (Datasheet): **RPR1-10 (4084)**
Valve size 10

- 1 - O-ring
2 - Square ring
3 - O-ring
4 - O-ring
5 - Sensor
6 - Bolt



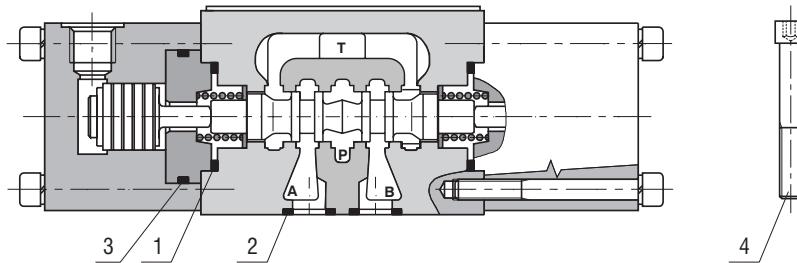
Position	RPR1-10																	
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Square ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.				
	NBR	1	32x2	2	2	12.42x1.68	5	3	11x1.5	2	4	14x1.78	1	33830800				
			32x2	2		12.42x1.68	5		11x1.5	2		14x1.78	1	34635600				
5	Model	Pos.				Pcs	Max. input voltage								Ordering No.			
		5	normally-open sensor (210 bar)			1									18961900			
Sensor	S4	5	normally-closed sensor (210 bar)			1	10...30 VDC								31022300			
		6	Bolt Kit			Pcs												
Mounting bolts for steel plates				6	Bolt M6x45		4	for studs see Datasheet 0020								20239000		

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPH2-06 (4005), RPH3-06 (4006)**
Valve size 06

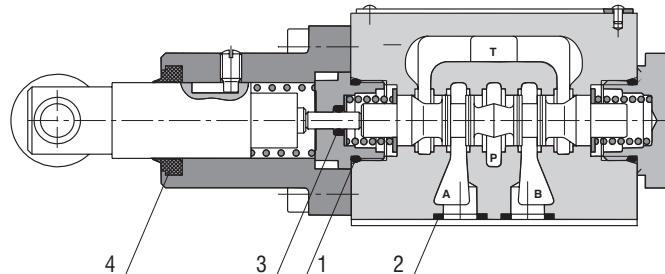
- 1 - O-ring
2 - Square ring (NBR), O-ring (FPM)
3 - O-ring
4 - Bolt



Position		RPH2-06										
1+2+3		Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
NBR	1	22x2	2	2	Square ring 9.25x1.68	4	3	28x2	2	20980500		
FPM	1	22x2	2	2	O-ring 9.25x1.78	4	3	28x2	2	20980600		
4	Bolt Kit	Pos.										
Mounting bolts for steel plates		4	Bolt M5x45									
4	Bolt Kit	Pos.										
Mounting bolts for steel plates		4	Bolt M5x45									
Bolts for flange	M5x16											Mounting bolts for flange are not available
For studs see Datasheet Studs and Nuts_Dn04_06_10_0020												

Product (Datasheet): **RPK1-06 (4038)**
Valve size 06

- 1 - O-ring
2 - Square ring (NBR), O-ring (FPM)
3 - O-ring
4 - Wiper ring



Position		RPK1-06													
1+2+3+4		Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Pos.	Wiper ring	Pcs	Ordering No.
NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4	3	3.68x1.78	1	4	WSW 000180 ASW	1	20980900		
FPM	1	17.17x1.78	2	2	O-ring 9.25x1.78	4	3	3.68x1.78	1	4	WSW 000180 ASW	1	34524700		
5	Bolt Kit	Pos.	Mounting bolts for steel plates										Ordering No.		
		5	Bolt M5x45										15845100		
for studs see Datasheet 0020															

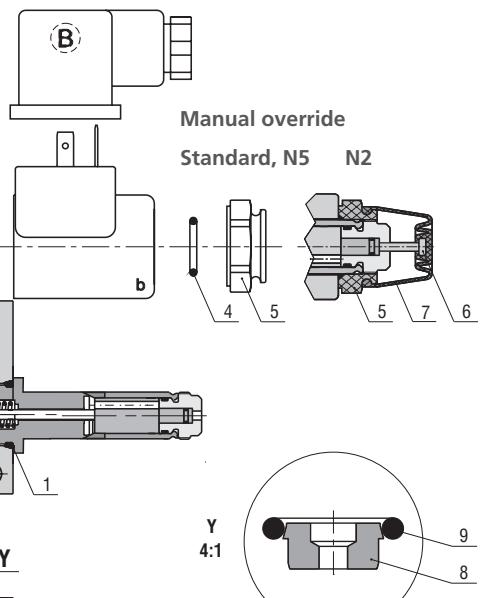
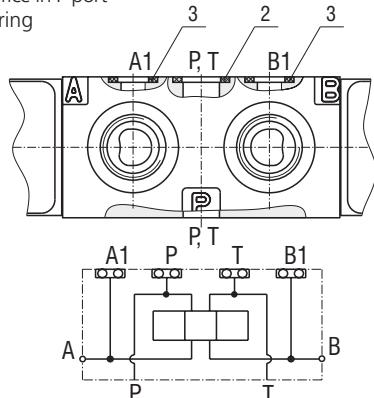
All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPEK1-03 (4027)**

Valve size 03

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - Square ring (NBR), O-ring (FPM)
- 4 - O-ring
- 5 - Retaining nut
- 6 - Actuating pin
- 7 - Rubber boot
- 8 - Orifice in P port
- 9 - O-ring



For solenoid coil see datasheet C_8007.
For electrical connector see datasheet K_8008.

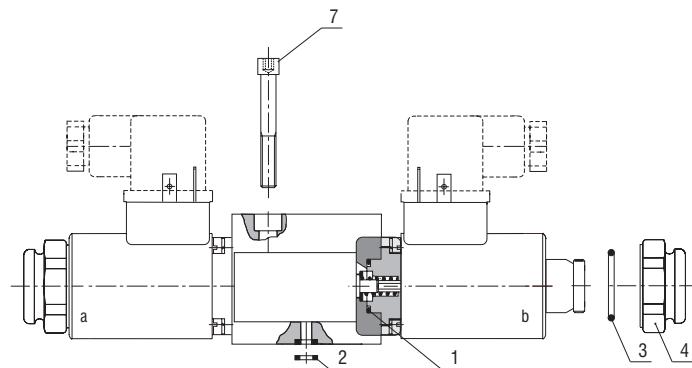
Position		RPEK1-03*														
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Ring	Pcs	Ordering No.					
Universal kit for all designations		NBR	1	16x2	2	Square ring 9.25x1.68	2	3	Square ring 7.65x1.68	2	28839800					
		FPM	1	16x2	2	O-ring 9.25x1.78	2	3	O-ring 7.65x1.78	2	28840100					
4+5		Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.							
		Standard, N5, N2	4	13x2	1	5	Plastic	1	15691500							
6+7		Kit	Pos.	Actuating pin	Pcs	Pos.	Rubber boot	Pcs	Ordering No.							
		N2	6		1	7		1	29269100							
8+9		Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring NBR	Pcs	Ordering No.							
		Orifice in P port with NBR seal	8	Ø1.0	1	9.25x1.78	1	On request								
				Ø1.5	1											
				Ø2.0	1											
				Ø2.2	1											
				Ø2.5	1											
8+9		Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring FPM	Pcs	Ordering No.							
		Orifice in P port with FPM seal	8	Ø1.0	1	9.25x1.78	1	15845600								
				Ø1.5	1											
				Ø2.0	1											
				Ø2.2	1											
				Ø2.5	1											

All dimensions are indicated in millimeters [mm].

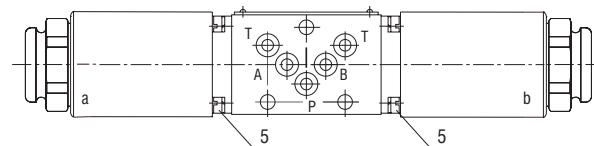
1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPE2-04 (4012)**
Valve size 04

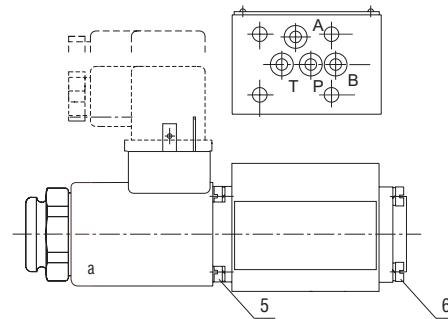
- 1 - O-ring
- 2 - Square ring (NBR)
- 3 - O-ring
- 4 - Retaining nut
- 5 - Bolts for mountage of flange
- 6 - Bolts for mountage of cover
- 7 - Mounting bolt

Valve with two solenoids
3-position valve

Mounting surface 2

acc. to former CETOP-RP 121H


Mounting surface 3

acc. to former ISO 4401-AA-02-4-A

Valve with one solenoid
2-position valve

For solenoid coil see datasheet C_8007.
For electrical connector see datasheet K_8008.

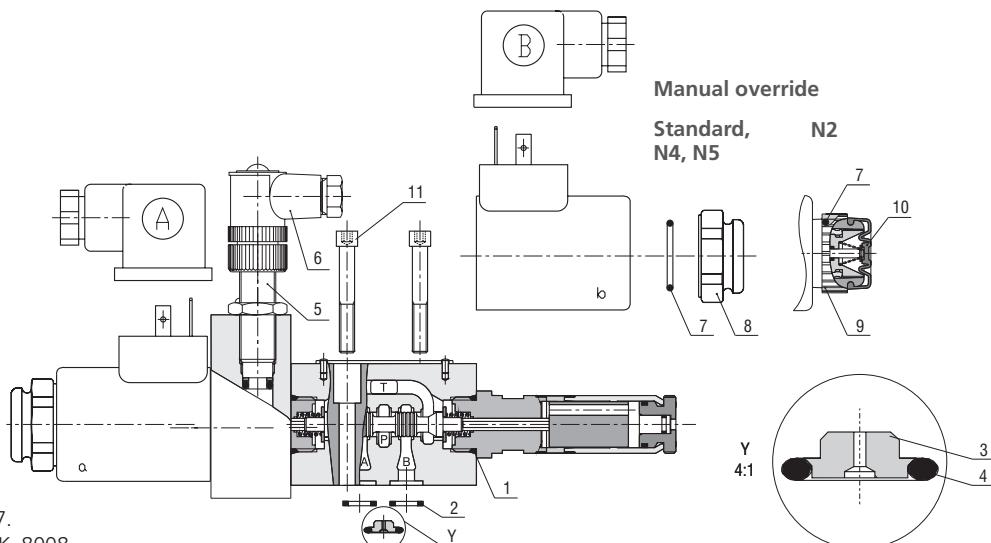
Position		RPE2-04*2										
1+2		Seal Kit	Pos.	O-ring	Pcs	Pos.	Square ring	Pcs				Ordering No.
		NBR	1	15x1.8	2	2	5.28x1.68	5				20882100
RPE2-04*3												
		Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs				Ordering No.
		NBR	1	15x1.8	2	2	6x1.5	4				15669000
Position		RPE2-04*2, RPE2-04*3										
3+4		Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				Ordering No.
		Standard	3	18x1.5	1	4	Plastic	1				15874500
Position		3-position valve										
5+5		Bolt Kit	Pos.	Bolt	Pcs	Pos.	Bolt	Pcs	Pos.	Washer	Pcs	
			5	M4x12	4	5	M4x12	4	-	D4.1	8	34502000
Position		2-position valve										
5+6		Bolt Kit	Pos.	Bolt	Pcs	Pos.	Bolt	Pcs	Pos.	Washer	Pcs	
			5	M4x12	4	6	M4x10	4	-	D4.1	8	34502100
7		Bolt Kit	Pos.	Universal kit				Pcs				Ordering No.
Mounting bolts for steel plates Bolt M5x50		7	for Mounting surface 2 or 3				4	for studs see Datasheet 0020				21484000

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPE3-04 (4014)**
Valve size 04

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - Orifice in P port
- 4 - O-ring
- 5 - Sensor
- 6 - Connector of position sensor with LED
- 7 - O-ring
- 8 - Retaining nut
- 9 - Retaining nut
- 10 - Rubber boot
- 11 - Mounting bolt



For solenoid coil see datasheet C_8007.
For electrical connector see datasheet K_8008.

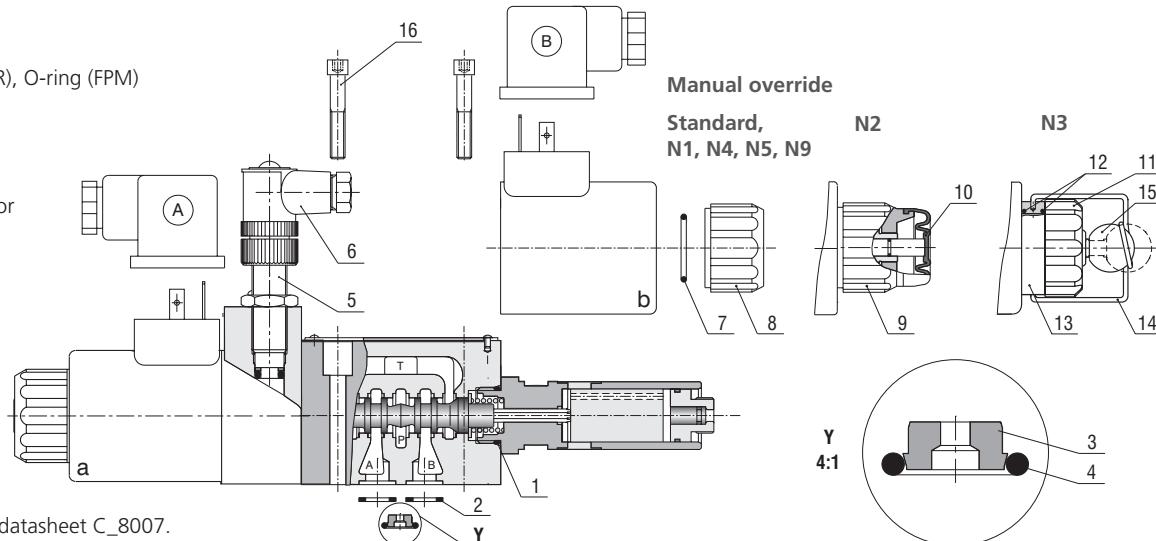
Position	RPE3-04										
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs				Ordering No.
	NBR	1	16x2	2	2	Square ring 7.65x1.68	4				15873800
	FPM		16x2	2		O-ring 7.5x1.8	4				15874400
3+4	Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring NBR	Pcs				Ordering No.
Orifice in P port with NBR seal		3	Ø0.8	1	4	7.65x1.78	1				15874000
			Ø1.0	1							15874100
			Ø1.2	1							15874200
			Ø1.5	1							15874300
			Ø0.7	1							15874900
3+4	Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring FPM	Pcs				Ordering No.
Orifice in P port with FPM seal		3	Ø0.8	1	4	7.65x1.78	1				On request
			Ø1.0	1							
			Ø1.2	1							
			Ø1.5	1							
			Ø0.7	1							
5	Model			Pos.			Pcs	Max. input voltage			Ordering No.
Sensor	S1	normally-open sensor (210 bar)			5			1			18961900
	S4	normally-closed sensor (210 bar)						1	10...30 VDC		31022300
6					Pos.			Pcs	Max. input voltage		Ordering No.
Connector	K02	connector of position sensor with LED			6			1	10...30 VDC		17364800
7+8	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				Ordering No.
	ST, N4, N5	7	18x1.5	1	8	Plastic	1				15874500
7+9+10	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Pos.	Rubber boot	Pcs	Ordering No.
	N2	7	18x1.5	1	9	Plastic	1	10		1	15874800
11	Bolt Kit	Pos.					Pcs				Ordering No.
Mounting bolts for steel plates				11	Bolt M5x35		4	for studs see Datasheet 0020			15874600

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPE3-06 (4010), RPEA3-06 (4029), RPEW4-06 (4035), RPER3-06 (4026)**
Valve size 06

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - Orifice in P port
- 4 - O-ring
- 5 - Sensor
- 6 - Connector of position sensor with LED
- 7 - O-ring
- 8 - Retaining nut
- 9 - Retaining nut
- 10 - Rubber boot
- 11 - Nut
- 12 - O-ring
- 13 - Ring
- 14 - Bracket
- 15 - Ball
- 16 - Mounting bolt



For solenoid coil see datasheet C_8007.

For electrical connector see datasheet K_8008.

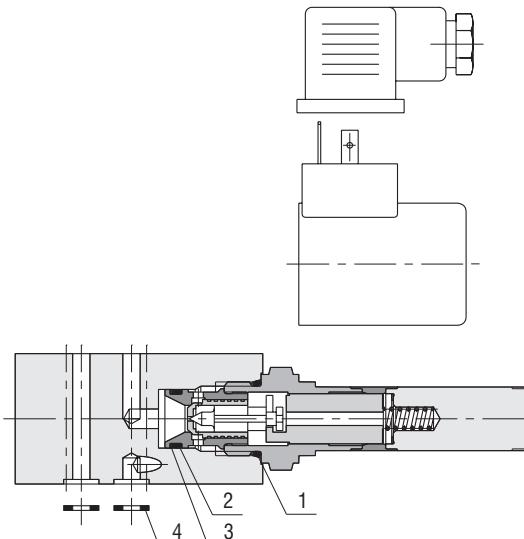
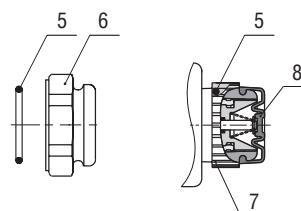
Position		RPE3-06, RPEA3-06, RPEW4-06, RPER3-06										
1+2	Seal Kit		Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.			
	NBR		1	17x1.8	2	2	Square ring 9.25x1.68	4	15845200			
	FPM			17.17x1.78	2		O-ring 9.25x1.78	4	15845400			
Position		RPE3-06, RPEA3-06, RPEW4-06										
3+4	Kit		Pos.	Orifice in P port	Pcs	Pos.	O-ring NBR	Pcs	Ordering No.			
			3	Ø1.0	1	4	9.25x1.78	1	On request			
				Ø1.5	1							
				Ø2.0	1							
				Ø2.2	1							
				Ø2.5	1							
3+4	Kit		Pos.	Orifice in P port	Pcs	Pos.	O-ring FPM	Pcs	Ordering No.			
			3	Ø1.0	1	4	9.25x1.78	1	15845600			
				Ø1.5	1							
				Ø2.0	1							
				Ø2.2	1							
				Ø2.5	1							
Position		RPE3-06										
5	Model					Pos.		Pcs	Max. input voltage			
Sensor	S1	normally-open sensor (210 bar)				5		1	10...30 VDC			
	S4	normally-closed sensor (210 bar)						1				
6						Pos.		Pcs	Max. input voltage			
Connector	K02	connector of position sensor with LED				6		1	10...30 VDC			
Position		RPER3-06										
7+8	Nut Kit		Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.			
	Standard		7	22x2	1	8	Plastic	1	15844600			
Position		RPE3-06, RPEA3-06, RPEW4-06										
7+8	Nut Kit		Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.			
			7		1	8	Plastic	1	15844600			
				22x2	1		Plastic	1				
7+9+10		Nut Kit										
		N2										
11+12+13+14	Pos.	Retaining nut	Pcs	Pos.	O-ring	Pcs	Pos.	Ring	Pcs			
Nut Kit	11	Plastic	1	12	22x2	2	13	Steel	1			
15	Pos.	Ball			Pcs				Ordering No.			
		D16 M6, bakelite			1				20346700			
Position		RPE3-06, RPEA3-06, RPEW4-06, RPER3-06										
16	Bolt Kit		Pos.			Pcs			Ordering No.			
Mounting bolts for steel plates		16	Bolt M5x45			4	for studs see Datasheet 0020		15845100			

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **ROE3-042S5(S6) (4055), ROE3-062S2 (4022), ROE3-042S5(S6)M (4073), ROE3-062S2M (4072)**
Valve size 04, 06

- 1 - O-ring
- 2 - O-ring
- 3 - Back-up ring
- 4 - Square ring (NBR), O-ring (FPM)
- 5 - O-ring
- 6 - Retaining nut
- 7 - Retaining nut
- 8 - Rubber boot


Manual override
**Standard,
N4, N5**
N2


Position	ROE3-042S5(S6), ROE3-062S2, ROE3-042S5(S6)M, ROE3-062S2M										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
NBR		1	19.4x2.1	1	2	14x1.78	1	3	14.73x17.43x1.1	2	15650200
			FPM	19.4x2.1		1	14x1.78		14.73x17.43x1.1	2	16954700
Position	ROE3-042S5(S6)M, ROE3-062S2M										
4	Seal Kit	Pos.	Square ring	Pcs	Pos.	O-ring	Pcs				Ordering No.
size 04	NBR	4	7.65x1.68	4	5	-	-				20718400
size 06			9.25x1.68	4		-	-				15650300
size 04	FPM	-	-	-	4	7.65x1.78	4				22502600
size 06			-	-		9.25x1.78	4				22944700
Position	ROE3-042S5(S6), ROE3-042S5(S6)M										
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				Ordering No.
Standard, N4		5	18x1.5	1	6	Plastic	1				15874500
5+7+8	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Pos.	Rubber boot	Pcs	Ordering No.
N2		5	18x1.5	1	7	Plastic	1	8		1	15874800
Position	ROE3-062S2, ROE3-062S2M										
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				Ordering No.
Standard, N5		5	18x1.5	1	6	Plastic	1				15874500

All dimensions are indicated in millimeters [mm].

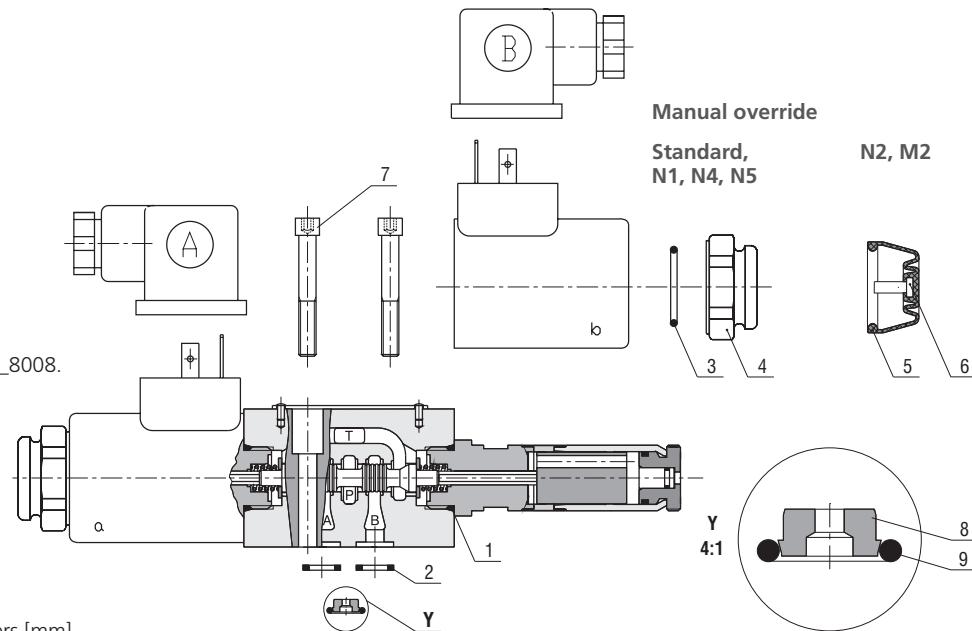
1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPEL1-04 (4037), RPEL2-06 (4056), RPEL1-10 (4046)**

Valve size 04, 06

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - O-ring
- 4 - Retaining nut
- 5 - Rubber boot
- 6 - Actuating pin
- 7 - Mounting bolt
- 8 - Orifice in P port
- 9 - O-ring

For solenoid coil see datasheet C_8007.
For electrical connector see datasheet K_8008.



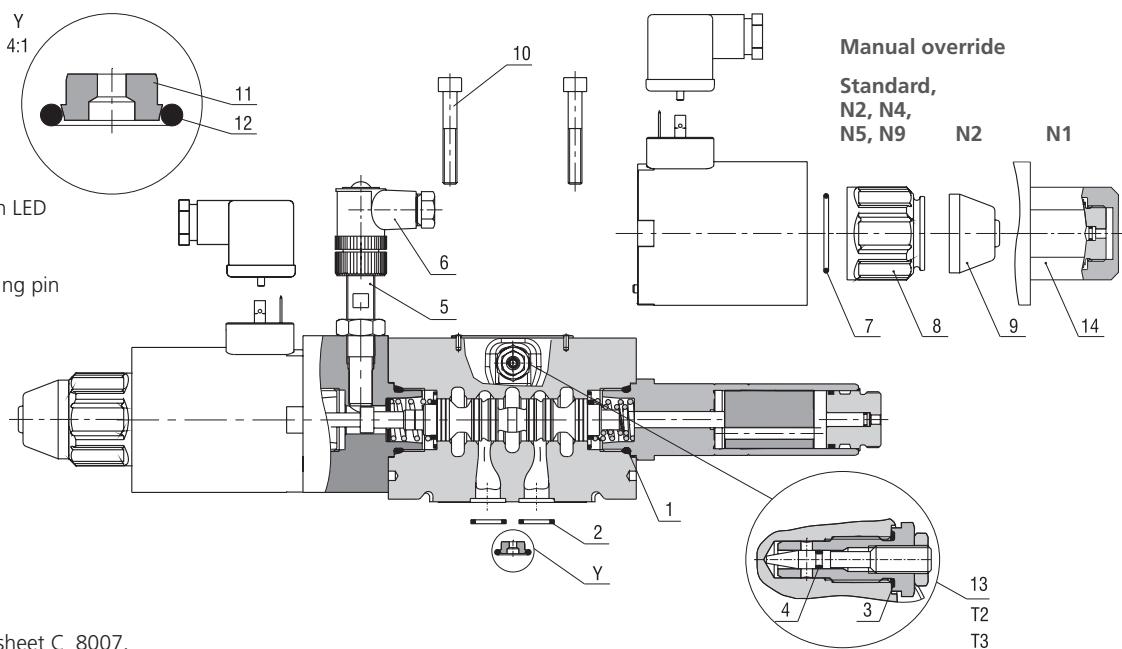
All dimensions are indicated in millimeters [mm].

Position	RPEL1-04	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	16x2	2	2	Square ring 7.65x1.68	4	15873800
	FPM		16x2		2	O-ring 7.5x1.8	4	15874400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
	Standard, N5	3	13x2	1	4	Plastic	1	15691500
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs	Ordering No.
	N2	5		1	6		1	29269100
7	Bolt Kit	Pos.	Bolt				Pcs	Ordering No.
Mounting bolts for steel plates		7	Bolt M5x35 DIN 912-10.9				4	15874600
8+9	Kit	see Product (Datasheet):			RPE3-04 (4014)			Page 11
Position	RPEL2-06	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4	15845200
	FPM		17.17x1.78		2	O-ring 9.25x1.78	4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
	Standard	3	18x1.5	1	4	Plastic	1	15874500
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs	Ordering No.
	M2	5		1	6		1	24142800
7	Bolt Kit	Pos.	Bolt				Pcs	Ordering No.
Mounting bolts for steel plates		7	Bolt M5x45				4	15845100
8+9	Kit	see Product (Datasheet):			RPE3-06 (4010)			Page 12
Position	RPEL1-10	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	23,81x2,62	2	2	12,42x1,68	5	23114300
	FPM		23,47x2,62		2	12,42x1,68	5	23114400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
	Standard	3	22x2	1	4	Plastic	1	15844600
	N1					Plastic - closed	1	15844700
7	Bolt Kit	Pos.	Bolt				Pcs	Ordering No.
Mounting bolts for steel plates		7	Bolt M6x45		for studs see Datasheet 0020		4	20239000
8+9	Kit	see Product (Datasheet):			RPE4-10 (4039)			Page 15

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RPE4-10 (4039), RPEW4-10 (4044)**
Valve size 10

- 1 - O-ring
- 2 - Square ring
- 3 - Seal
- 4 - Seal
- 5 - Sensor
- 6 - Connector of position sensor with LED
- 7 - O-ring
- 8 - Retaining nut (Plastic)
- 9 - Rubber boot + Actuating pin
- 10 - Mounting bolt
- 11 - Orifice in P port
- 12 - O-ring
- 13 - Soft-shift spool speed control with seal
- 14 - Retaining nut (Al)



For solenoid coil see datasheet C_8007.
For electrical connector see datasheet K_8008.

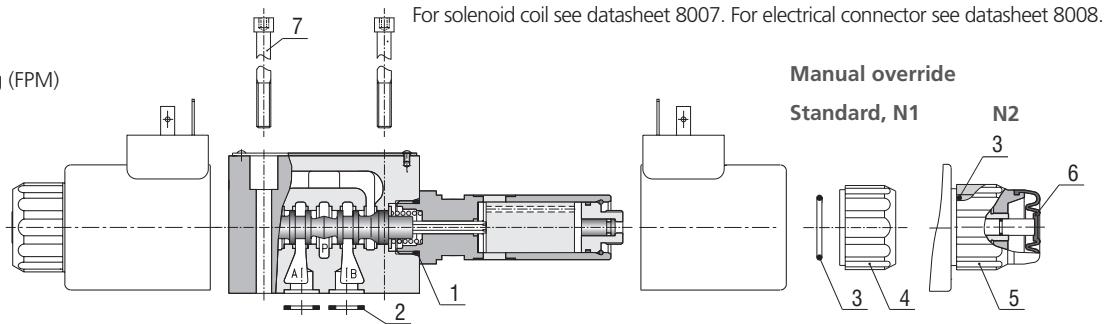
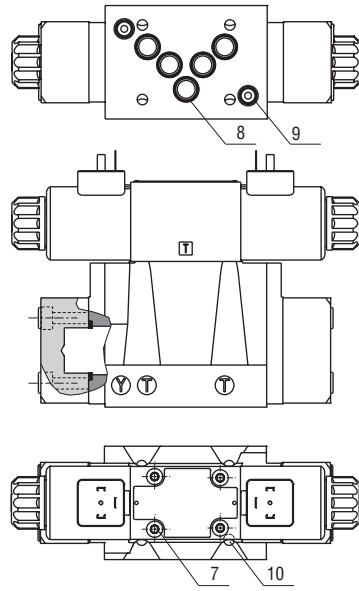
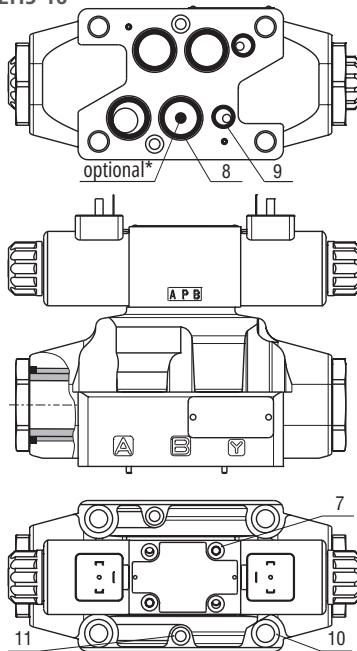
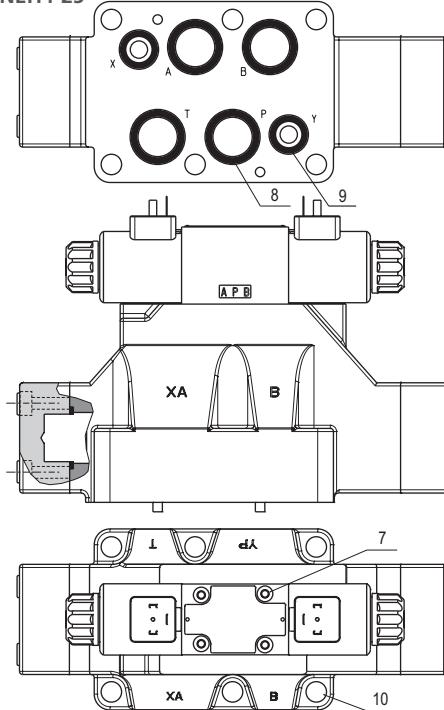
Position RPE4-10, RPEW4-10																
1+2+3+4		Pos.	O-ring	Pcs	Pos.	Square ring	Pcs	Pos.	Seal for T2, T3	Pcs	Pos.	O-ring for T3	Pcs	Ordering No.		
NBR	1	23.81x2.62	2	2	12.42x1.68	5	3	8.4x11.9x1	1	4	1.8x1	1	15901000			
FPM	1	23.47x2.62	2		12.42x1.68	5		10DRV100084	1		1.78x1.02	1	15901100			
Position RPE4-10																
5	Sensor - model			Pos.					Pcs	Max. input voltage			Ordering No.			
S1				5	normally-open sensor (210 bar)				1	10...30 VDC			18961900			
S4				5	normally-closed sensor (210 bar)				1				31022300			
Position RPE4-10, RPEW4-10																
6	Connector			Pos.					Pcs	Max. input voltage			Ordering No.			
K02				6	connector of position sensor with LED				1	10...30 VDC			17364800			
7+8	Nut Kit			Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs					Ordering No.		
Standard, N2, N4, N5, N9				7	30x2	1	8	Plastic	1					15900800		
7+14	Nut Kit			Pos.	O-ring	ks	Pos.	Retaining nut	Pcs					Ordering No.		
N1				7	30x2	1	14	Aluminium	1					45332300		
9	Kit			Pos.					Pcs					Ordering No.		
N2				9	Rubber boot + Actuating pin				1					15900900		
10	Bolt Kit			Pos.					Pcs					Ordering No.		
Mounting bolts for steel plates				10	Bolt M6x45	4	for studs see Datasheet 0020								20239000	
11+12	Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring NBR	Pcs							Ordering No.		
Orifice in P port with NBR seal	11	12	Ø0.5	1	12.42x1.78	1							21670800			
			Ø1.2	1									15848400			
			Ø1.5	1									15848700			
			Ø2.0	1									17451200			
			Ø2.5	1									15848500			
			Ø3.5	1									16656400			
			Ø4.0	1									15848600			
11+12	Kit	Pos.	Orifice in P port	Pcs	Pos.	O-ring FPM	Pcs							Ordering No.		
Orifice in P port with FPM seal	11	12	Ø0.5	1	12.42x1.78	1							On request			
			Ø1.2	1												
			Ø1.5	1												
			Ø2.0	1												
			Ø2.5	1												
			Ø3.5	1												
			Ø4.0	1												
13	Kit	Pos.	Soft shift with seal	Pcs									Ordering No.			
Soft shift	T2	13	orifice Ø0.6 mm (0.02 inch) in T line bridge	1									15901200			
	T3	13	adjustable needle valve in T line bridge	1									15901300			

All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **RNEH1-10 (4075), RNEH5-16 (4023), RNEH4-25 (4024)**
RPE3-06

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - O-ring
- 4 - Retaining nut
- 5 - Retaining nut
- 6 - Rubber boot + Actuating pin
- 7 - Mounting bolt
- 8, 9 - Seal
- 10, 11 - Bolts


RNEH1-10

RNEH5-16

RNEH4-25


All dimensions are indicated in millimeters [mm].

Position		RPE3-06											
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs						Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4						15845200
	FPM		17.17x1.78	2		O-ring 9.25x1.78	4						15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs						Ordering No.
	Standard	3	22x2	1	4	Plastic	1						15844600
3+5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Pos.	Rubber boot	Pcs			Ordering No.
	N2	3	22x2	1	5	Plastic	1	6		1			15844800
7	Bolt Kit	Pos.					Pcs						Ordering No.
Mounting bolts for steel plates		7	Bolt M5x45				4	for studs see Datasheet 0020					15845100
Position		RNEH1-10											
8+9	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs						Ordering No.
	NBR	8	12.42x1.78	5	9	9.25x1.78	2						40075900
	FPM	-	-	5		-	2						On request
10	Bolts	Pos.					Pcs						
Mounting bolts		10	Bolt M6x35				4	Mounting bolts for steel plates are not available					
Position		RNEH5-16											
8+9	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs						Ordering No.
	NBR	8	22.22x2.62	4	9	10.82x1.78	2						40076000
	FPM	-	-	4		-	2						On request
10+11	Bolts	Pos.		Pcs	Pos.		Pcs						
Mounting bolts		10	Bolt M10x60		4	11	Bolt M6x50	2	Mounting bolts for steel plates are not available				
Position		RNEH4-25											
8+9	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs						Ordering No.
	NBR	8	29.82x2.62	4	9	20.29x2.62	2						40076200
	FPM	-	-	4		-	2						On request
10	Bolts	Pos.					Pcs						
Mounting bolts		10	Bolt M12x60				6	Mounting bolts for steel plates are not available					31950200

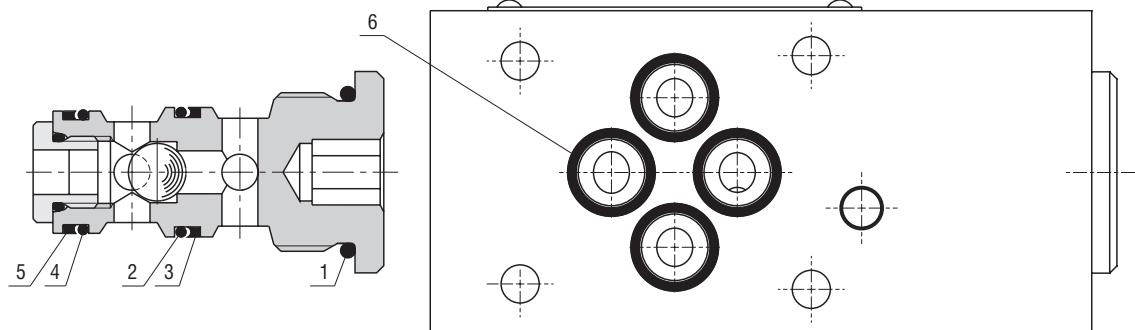
*Optional Backpressure Check valve C3

2 Check Valves

Product (Datasheet): [LV1-043 \(5008\)](#), [LV2-043 \(5028\)](#), [LV1-063/S \(5015\)](#), [LV1-063/M \(5030\)](#)

Valve size 04, 06

- 1 - O-ring
- 2 - O-ring
- 3 - Back-up ring
- 4 - O-ring
- 5 - Back-up ring
- 6 - Square ring (NBR), O-ring (FPM)

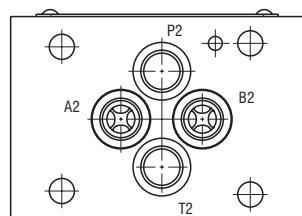


Pos.	LV1-043												Ordering No.			
2+3	Seal Kit			Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs					Ordering No.		
	NBR			2	6x1	1	3	8.5x6.8x1	1					40110200		
	FPM			2	6x1	1	3	8.5x6.8x1	1					16755700		
Pos.	LV2-043												Ordering No.			
2-5	Seal Kit			Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs	Ordering No.
	NBR			2	6.07x1.78	1	3	6.6x9.5x1.4	1	4	6x1.5	1	5	6x8.5x1	1	30708000
	FPM			2	6.07x1.78	1	3	6.6x9.5x1.4	1	4	6x1.5	1	5	6x8.5x1	1	30707900
Pos.	LV1-063/S, LV1-063/M												Ordering No.			
1-5	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs					Ordering No.	
	NBR	1	19.4x2.1	1	2,4	14x1.78	2	3,5	14.73x17.43x1.1	2					22752700	
	FPM	1	19.4x2.1	1	2,4	14x1.78	2	3,5	14.73x17.43x1.1	2					31920800	
Pos.	LV1-063/M												Ordering No.			
6	Seal Kit					Pos.	Ring				Pcs	Ordering No.				
	NBR					6	Square ring 9.25x1.68				4	15650300				
	FPM					6	O-ring 9.25x1.78				4	22944700				

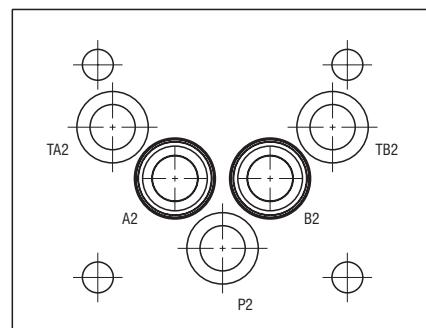
Product (Datasheet): [MVJ3-06 \(5018\)](#), [MVJ3-10 \(5020\)](#)

Valve size 06, 10

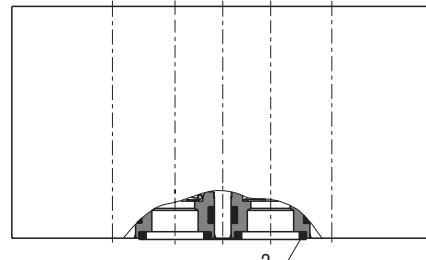
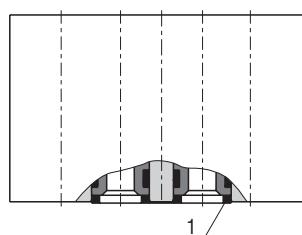
- 1 - Square ring (NBR), O-ring (FPM)
- 2 - Square ring



Valve size 06



Valve size 10



Position	MVJ3-06			Pcs	Ordering No.
1	Seal Kit	Pos.	Ring		
	NBR	1	Square ring 9.25x1.68		4 15650300
	FPM	1	O-ring 9.25x1.78		4 22944700
Position	MVJ3-10			Pcs	Ordering No.
2	Seal Kit	Pos.	Square ring		
	NBR	4	12.42x1.68		5 15991600
	FPM	4	12.42x1.68		5 40066700

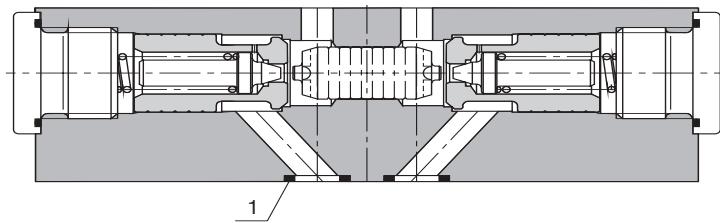
All dimensions are indicated in millimeters [mm].

2 Check Valves

Product (Datasheet): [VJR1-04/M \(5023\)](#), [VJR2-06/M \(5024\)](#), [2RJV1-06/M \(5021\)](#), [VJR3-10/M \(5035\)](#)

Valve size 04, 06, 10

1 - Square ring (NBR), O-ring (FPM)



Position		VJR1-04/M							
1	Seal Kit	Pos.	Ring	Pcs				Ordering No.	
	NBR	1	Square ring 7.65x1.68	4				20718400	
	FPM		O-ring 7.65x1.78	4				22502600	
Position		VJR2-06/M, 2RJV1-06/M							
1	Seal Kit	Pos.	Ring	Pcs				Ordering No.	
	NBR	1	Square ring 9.25x1.68	4				15650300	
	FPM		O-ring 9.25x1.78	4				22944700	
Position		VJR3-10/M							
1	Seal Kit	Pos.	Square ring	Pcs				Ordering No.	
	NBR	1	12.42x1.68	5				15991600	
	FPM		12.42x1.68	5				40066700	

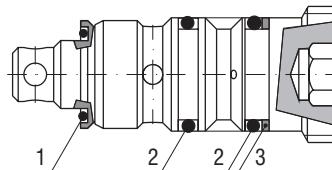
Product (Datasheet): [RJV1-05 \(5111\)](#)

Valve size 05

1 - O-ring

2 - O-ring

3 - Back-up ring



Position		RJV1-05										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.	
	NBR	1	12.42x1.78	1	2	15.08x2.62	2	3	14.66x19.02x1.14 (NBR)	1	15969700	
	FPM		12.42x1.78	1	2	15.08x2.62	2	3	14.66x19.02x1.14 (PT)	1	22806000	

Product (Datasheet): [SC1F-A2 \(5010\)](#), [SC1F-B2 \(5017\)](#), [SC1F-C2 \(5036\)](#), [SC1F-A3 \(5016\)](#), [SH1F-A3 \(5029\)](#), [SQ1F-N3 \(5075\)](#), [SC5H-BP3 \(5037\)](#), [SC5H-CP3 \(5039\)](#)

Cavity A2, B2, C2, A3

SC1F-A2

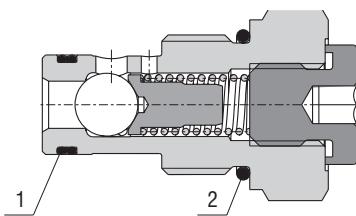
SC1F-B2

SC1F-C2

SC1F-A3

1 - O-ring

2 - Dualseal



Cavity A3, N3, BP3, CP3

SH1F-A3

SQ1F-N3

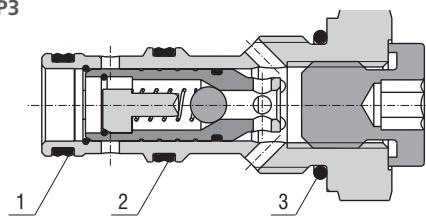
SC5H-BP3

SC5H-CP3

1 - Dualseal

2 - Dualseal

3 - O-ring



Position SC1F-A2

1+2	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring - FPM	Pcs	Ordering No.
	NBR	1	10.3x12.7x3.1	1	2	17x1.8	1	-	-	-	20776700
	FPM	1	10.3x12.7x3.1	1	-	-	-	2	17.17x1.78	1	17014300

Position SC1F-B2

1+2	NBR	1	13.47x15.87x3.1	1	2	19.4x2.1	1	-	-	-	18960400
	FPM	1	13.47x15.87x3.1	1	-	-	-	2	19.4x2.1	1	18960500

Position SC1F-C2

	NBR	1	19,62x22,22x3,8	1	2	24x2,5	1	-	-	-	40958200
	FPM	1	19,62x22,22x3,8	1	-	-	-	2	24x2,5	1	40958400

Position SC1F-A3

	NBR	1	11.87x14.27x3.1	1	2	17x1.8	1	-	-	-	15661700
	FPM	1	11.87x14.27x3.1	1	-	-	-	2	17.17x1.78	1	20777200

Position SH1F-A3

1+2+3	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	Dualseal PU	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	11.87x14.27x3.1	1	2	13.47x15.87x3.1	1	3	17x1.8 (NBR)	1	15661700
	FPM	1	11.87x14.27x3.1	1	2	13.47x15.87x3.1	1	3	17.17x1.78 (FPM)	1	20777200

Position SQ1F-N3

	NBR	1	7.87x5.17x2.5	1	2	8.66x5.96x2.5	1	3	8.92x1.83 NBR 90	1	45480300
	FPM	1	7.87x5.17x2.5	1	2	8.66x5.96x2.5	1	3	8.92x1.83 FPM 90	1	45480300

Position SC5H-BP3

	NBR	1	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR 70	1	40771600
	FPM	1	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 FPM 70	1	40768400

	NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 NBR 90	1	41676200
	FPM	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 FPM 90	1	41676500

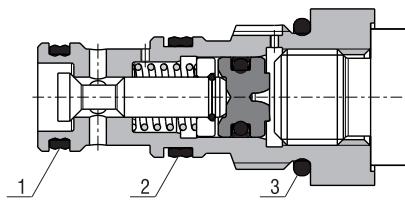
All dimensions are indicated in millimeters [mm].

2 Check Valves

Product (Datasheet): [SC5H-I3/S \(5045\)](#)

Cavity I3

- 1 - Dalseal
- 2 - Dalseal
- 3 - O-ring

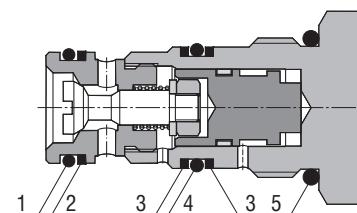


Position	SC5H-I3/S											
1+2+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	Dalseal PU	Pcs	Pos.	O-ring	Pcs	Ordering No.	
		NBR	1	10,2X13X2,5 PU 93	1	2	12,6X15X3 PU 93	1	3	15.4x2.1 NBR 90 BK	1	44817600
		FPM	1	10,2X13X2,5 PU 93	1	2	12,6X15X3 PU 93	1	3	15.4x2.1 FPM 90 BN	1	45438800

Product (Datasheet): [SC5H-Q3/I \(5217\), SC5H-R3/I \(5218\), SC5H-S3/I \(5220\), SCD5H-R3/I \(5219\)](#)

Cavity Q3, R3, S3

- 1 - O-ring
- 2 - Back-up ring
- 3 - Back-up ring
- 4 - O-ring
- 5 - O-ring

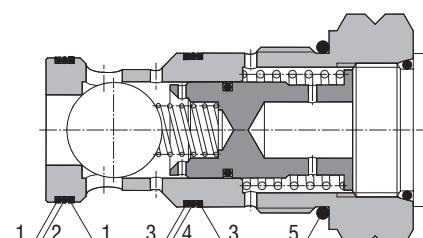


Position	SC5H-Q3/I, SC5H-R3/I, SC5H-S3/I																
1+2+3+4+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
		1	2		1	3		2	4		1	5		1	5	1	On request

Product (Datasheet): [SCC5H-Q3/I \(5221\), SCC5H-S3/I \(5222\)](#)

Cavity Q3, S3

- 1 - Dalseal
- 2 - O-ring
- 3 - Dalseal
- 4 - O-ring
- 5 - O-ring



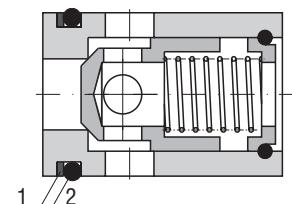
Position	SCC5H-Q3/I, SCC5H-S3/I																
1+2+3+4+5	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
		1	2	2	2	1	3	2	4	2	4	1	5	1	5	1	On request

Product (Datasheet): [VJ3 \(5009\), VJS3 \(5019\)](#)

Valve size 06, 10, 16, 20

Model 02, 03

- 1 - Back-up ring
- 2 - O-ring



Position	VJ3, VJS3																
1+2	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
06		1	14.66x19.02x1.14	1	2	15.08x2.62	1	2	20x2.65	1	2	28x3.55	1	2	32.92x3.53	1	22701100
			19.43x23.79x1.14			20x2.65										15954600	
			28.98x34.98x1.02			28x3.55										15954700	
			33.88x39.88x1.02			32.92x3.53										22701400	

All dimensions are indicated in millimeters [mm].

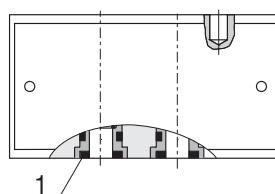
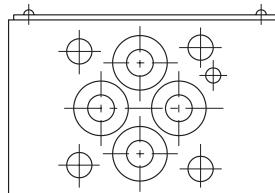
2 Check Valves

Product (Datasheet): [VJO1-04/M \(5012\), VJO1-06/S \(5004\), VJO1-10/S \(5307\)](#)

Valve size 04

VJO1-04/M

1 - Square ring (NBR),
O-ring (FPM)

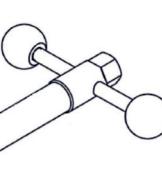
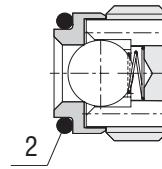


1

Valve size 06, 10

2 - O-ring

VJO1-06/S*
VJO1-10/S*



2

VJO1-06/S
VJO1-10/S

3 - Tool for screwing
of the valve into cavity

Position	VJO1-04/M			Pcs	Ordering No.
1	Seal Kit		Pos.	Ring	
	NBR		1	Square ring 6.07x1.68	4 15946100
	FPM			O-ring 6.07x1.78	4 22662600
Position	VJO1-06/S				
2	Seal Kit		Pos.	O-ring	Pcs Ordering No.
	NBR	VJO1-06/S*-1	2	8x1.5	1 16755400
		VJO1-06/S*-2		9x1	1 15949700
	FPM	VJO1-06/S*-1		8x1.5	1 16969800
		VJO1-06/S*-2		9x1	1 15949800
3	Tool for screwing of the valve		Pos.		Pcs Ordering No.
	Model 01	VJO1-06/S*-1	3		1 15949500
	Model 02	VJO1-06/S*-2			1 28395600
Position	VJO1-10/S				
2	Seal Kit		Pos.	O-ring	Pcs Ordering No.
	NBR		2	11.4x2.1	1 20141900
	FPM			11.4x2.1	1 On request
3	Tool for screwing of the valve		Pos.		Pcs Ordering No.
			3		1 43844300

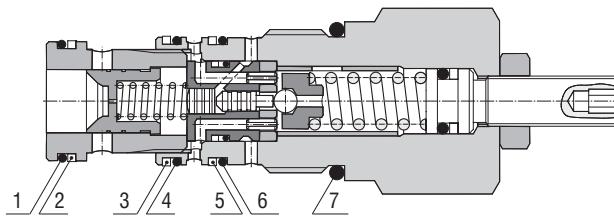
All dimensions are indicated in millimeters [mm].

3 Pressure Control Valves

Product (Datasheet): [SU6A-U3/I \(5224\), SUD6A-V4/I \(5225\), SUD6A-U4/I \(5226\)](#)

Cavity U3, V4, U4

- 1 - O-ring
- 2 - Back-up ring
- 3 - Back-up ring
- 4 - O-ring
- 5 - Back-up ring
- 6 - O-ring
- 7 - O-ring



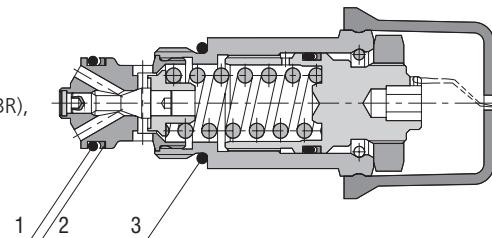
Position	SU6A-U3/I									
1+2+5+6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.		
Position SUD6A-V4/I, SUD6A-U4/I										
1+2+3+4+5+6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.		
		1, 4, 6, 7		4	2, 3, 5		3	On request		

Product (Datasheet): [VPP2-04/S \(5093\), VPP2-04/M\(R\) \(5094\)](#)

Valve size 04

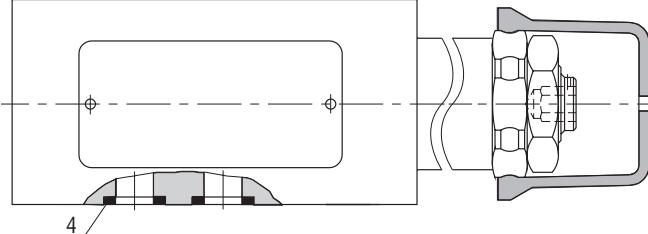
VPP2-04/S, VPP2-04/M(R)

- 1 - O-ring
- 2 - Back-up ring
- 3 - O-ring
- 4 - Square ring (NBR), O-ring (FPM)



Modular plate size 04, 06

VPP2-04/M(R)



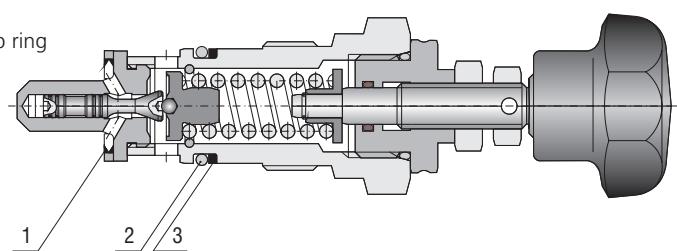
Pos.	VPP2-04/S, VPP2-04/M(R)										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
NBR 1		14x1.78	1	2	14.73x17.43x1.14	1	3	19.4x2.1	1		15650200
											16954700
Pos. VPP2-04/M(R)*04											
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 7.65x1.68	4	20718400
	FPM								O-ring 7.65x1.78	4	22502600
Pos. VPP2-04/M(R)*06											
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 9.25x1.68	4	15650300
	FPM								O-ring 9.25x1.78	4	22944700

Product (Datasheet): [VPP2-06 \(5062\), VPP2-06-SV/xx-CE1017 \(5066\)](#)

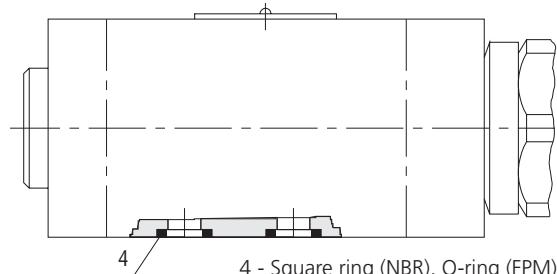
Valve size 06

VPP2-06

- 1 - U-seal
- 2 - O-ring
- 3 - Back-up ring



VPP2-06*P



Pos.	VPP2-06, VPP2-06-SV/xx-CE1017										
1+2+3	Seal Kit	Pos.	U-seal	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
NBR 1		17.4x24x1.5	1	2	20x2.65	1	3	19.43x23.79x1.14	1		16757100
											40112100
Pos. VPP2-06*P											
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 9.25x1.68	2	15650300
	FPM								O-ring 9.25x1.78	2	22944700

All dimensions are indicated in millimeters [mm].

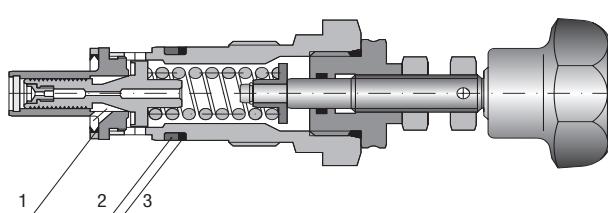
3 Pressure Control Valves

Product (Datasheet): [VPP1-06\(08,10\) \(5061\)](#)

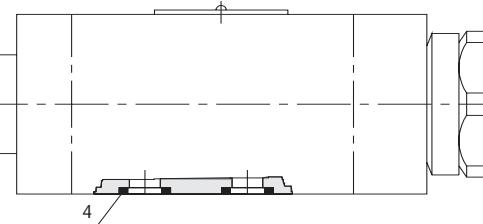
Valve size 06, 08, 10

VPP1-06(08,10)

- 1 - U-seal
- 2 - O-ring
- 3 - Back-up ring



VPP1-06*P



4 - Square ring (NBR), O-ring (FPM)

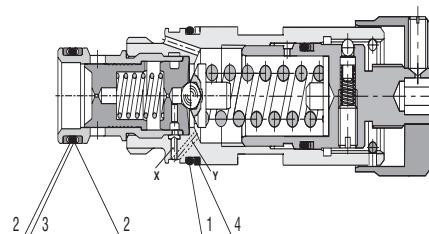
Pos.	VPP1-06										Ordering No.
1+2+3	Seal Kit	Pos.	U-seal	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	NBR	1	17.4x24x1.5	1	2	20x2.65	1	3	19.43x23.79x1.14	1	16757100
	FPM		17.4x24x1.5	1		20.29x2.62	1		19.43x23.79x1.14	1	40112100
Pos.	VPP1-08, 10										Ordering No.
1+2+3	Seal Kit	Pos.	U-seal	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	NBR	1	24.7x32x2	1	2	26.64x2.62	1	3	27.46x31.82x1.1	1	15972200
	FPM		24.7x32x2	1		26.64x2.62	1		27.46x31.82x1.1	1	15972000
Pos.	VPP1-06*P										Ordering No.
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 9.25x1.68	2	15650300
	FPM								O-ring 9.25x1.78	2	22944700
Pos.	VPP1-10*P										Ordering No.
4	Seal Kit							Pos.	Square ring	Pcs	Ordering No.
	NBR							4	12.42x1.68	2	15991600
	FPM								12.42x1.68	2	40066700

Product (Datasheet): [VPN1-06/S, SX, SY \(5161\), VPN1-06/M\(R\) \(5160\)](#)

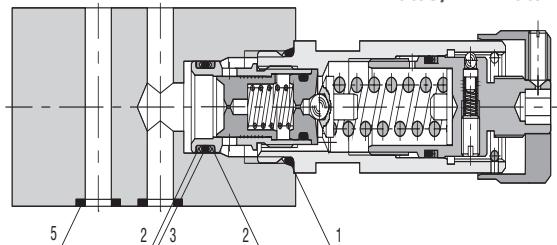
Valve size 06

VPN1-06/SX, VPN1-06/SY

- 1 - O-ring
- 2 - Back-up ring
- 3 - O-ring
- 4 - Back-up ring
- 5 - Square ring (NBR), O-ring (FPM)



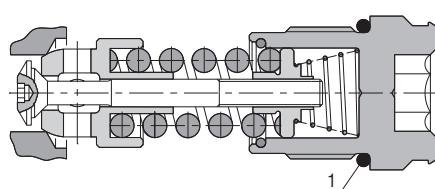
VPN1-06/S, VPN1-06/M



Pos.	VPN1-06/S										Ordering No.
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78	1	22752700
	FPM		19.4x2.1	1		14.73x17.43x1.14	2		14x1.78	1	31920800
Pos.	VPN1-06/SX, SY										Ordering No.
1 - 4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	21.95x1.78	1	2	14.73x17.43x1.14	2	3	14x1.78	1	22944000
	FPM		21.82x1.78	1		14.73x17.43x1.14	2		14x1.78	1	22943900
Pos.	VPN1-06/M(R)										Ordering No.
5	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							5	Square ring 9.25x1.68	4	15650300
	FPM								O-Ring 9.25x1.78	4	22944700

Product (Datasheet): [DBV3 \(5092\)](#)

1 - O-ring



Position	DBV3										Ordering No.
1	Seal		Pos.	O-ring						Pcs	Ordering No.
	NBR		1	21.95x1.78						1	20146100
	FPM			21.95x1.78						1	30349500

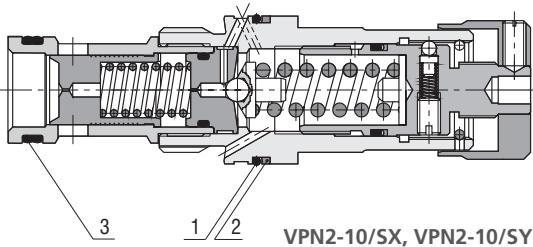
All dimensions are indicated in millimeters [mm].

3 Pressure Control Valves

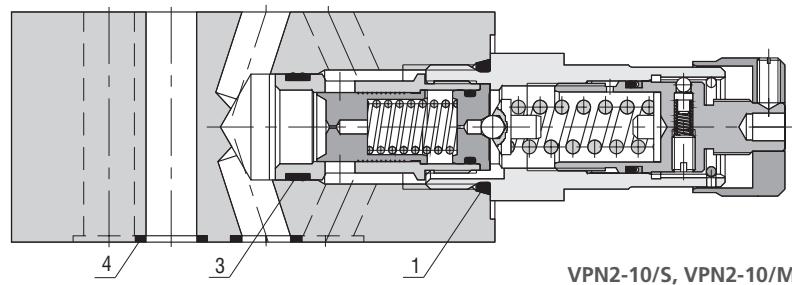
Product (Datasheet): [VPN2-10/S \(5163\), VPN2-10/M\(R\) \(5164\)](#)

Valve size 10

- 1 - O-ring
- 2 - Back-up ring
- 3 - Dualseal
- 4 - Square ring



VPN2-10/SX, VPN2-10/SY



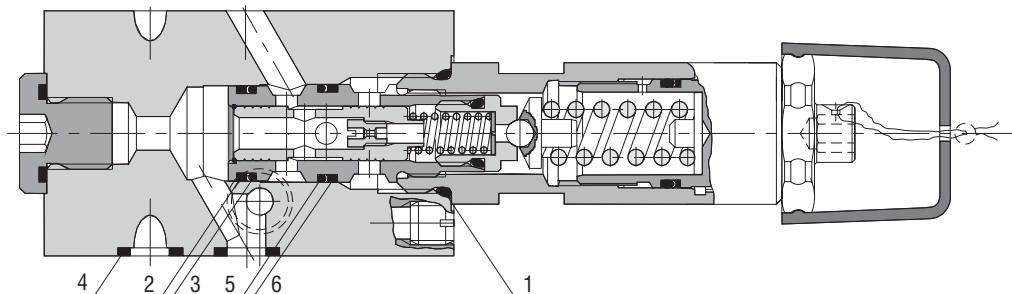
VPN2-10/S, VPN2-10/M

Pos. VPN2-10/S											
1+3	Seal Kit	Pos.	O-ring	Pcs			Pos.	Dualseal PU	Pcs	Ordering No.	
	NBR	1	23.47x2.95	1			3	19.6x23x4.4	1	15991500	
	FPM		23.47x2.95	1			3	19.6x23x4.4	1	22943400	
Pos. VPN2-10/SX, VPN2-10/SY											
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	Dualseal PU	Pcs	Ordering No.
	NBR	1	28.3x1.78	1	2	29.03x31.73x1.14	1	3	19.6x23x4.4	1	22943500
	FPM		28.3x1.78	1	2	29.03x31.73x1.14	1	3	19.6x23x4.4	1	22943600
Pos. VPN2-10/M											
4	Seal Kit				Pos.	Square ring	Pcs	Pos.	Ordering No.		
	NBR					12.42x1.68	5	4	15991600		
	FPM					12.42x1.68	5	4	40066700		

Product (Datasheet): [VRN2-06/S \(5153\), VRN2-06/M \(5155\), VRN2-10/S \(5154\), VRN2-10/M \(5156\)](#)

Valve size 06, 10

- 1 - O-ring
- 2 - Back-up ring
- 3 - O-ring
- 4 - Square ring, O-ring



Pos. VRN2-06/S, VRN2-06/M											
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78	2	22752700
	FPM		19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78	2	31920800
Pos. VRN2-06/M											
4	Seal Kit				Pos.	Kroužek	Pcs			Ordering No.	
	NBR				4	Square ring 9.25x1.68	4			15650300	
	FPM				4	O-ring 9.25x1.78	4			22944700	
Pos. VRN2-10/S, VRN2-10/M											
1 - 6	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	23.47x2.95	1	2	17.91x20.61x1.14	1	3	17x1.8	1	22916600
	NBR				5	19.51x22.21x1.14	1	6	18.77x1.78	1	
	FPM	1	23.47x2.95	1	2	17.91x20.61x1.14	1	3	17.17x1.78	1	22916700
	FPM				5	19.51x22.21x1.14	1	6	18.77x1.78	1	
Pos. VRN2-10/M											
4	Seal Kit				Pos.	Square ring	Pcs			Ordering No.	
	NBR				4	12.42x1.68	5			15991600	
	FPM				4	12.42x1.68	5			40066700	

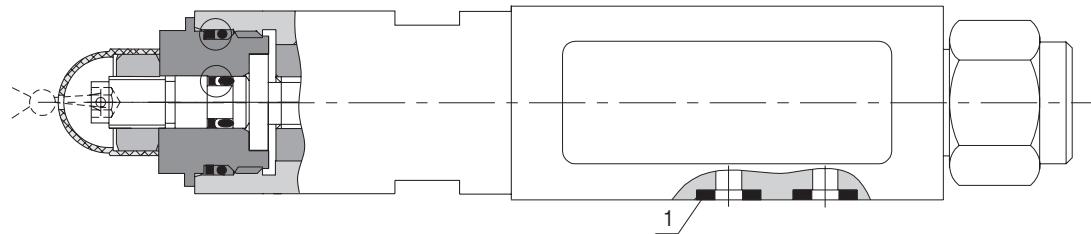
All dimensions are indicated in millimeters [mm].

3 Pressure Control Valves

Product (Datasheet): [VRP2-04 \(5142\), VRP2-06 \(5145\)](#)

Valve size 04, 06

1 - Square ring (NBR),
O-ring (FPM)

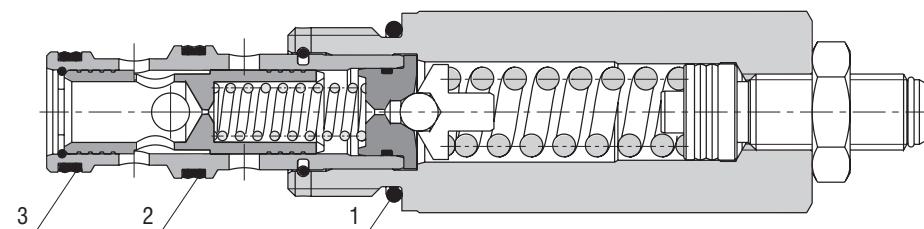


Position	VRP2-04					Pcs	Ordering No.
1	Seal Kit		Pos.	Ring		Pcs	Ordering No.
	NBR		1	Square ring 7.65x1.68		4	20718400
	FPM			O-ring 7.65x1.78		4	22502600
Position	VRP2-06					Pcs	Ordering No.
1	Seal Kit		Pos.	Ring		Pcs	Ordering No.
	NBR		1	Square ring 9.25x1.68		4	15650300
	FPM			O-ring 9.25x1.78		4	22944700

Product (Datasheet): [SS4A-A3 \(5049\), SP2A-A3 \(5143\), SP2A-B3 \(5146\), SP4A-B3 \(5144\), SS3A-BP3 \(5047\)](#)

Cavity A3, B3, BP3

1 - O-ring
2, 3 Dualseal

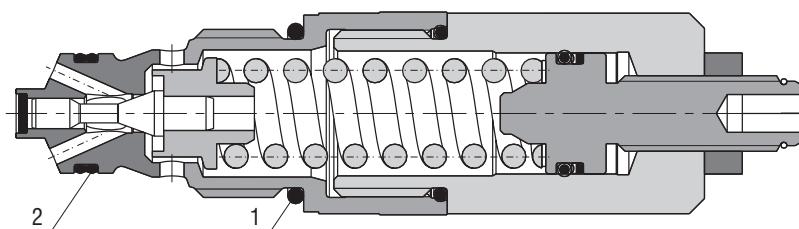


Position	SS4A-A3, SP2A-A3					Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2+3	Seal Kit	Pos.	Dualseal PU		Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
	NBR	3	11.87x14.27x3.1		1	1	17x1.8	1	-	-	-	15661700	
		2	13.47x15.87x3.1		1								
	FPM	3	11.87x14.27x3.1		1	-	-	-	1	17.17x1.78	1	20777200	
Position	SP2A-B3, SP4A-B3												
	1+2+3	Seal Kit	Pos.	Dualseal PU		Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
		NBR	3	13.47x15.87x3.1		1	1	19.4x2.1	1	-	-	-	18960700
			2	15.07x17.47x3.1		1							
	FPM	3	13.47x15.87x3.1		1	-	-	-	1	19.4x2.1	1	18960600	
		2	15.07x17.47x3.1		1								
Position	SS3A-BP3					Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2+3	Seal Kit	Pos.	Dualseal PU		Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
	NBR	3	15.07x17.47x3.1		1	1	19.4x2.1	1	-	-	-	40771600	
		2	16.65x19.05x3.1		1								
	FPM	3	15.07x17.47x3.1		1	-	-	-	1	19.4x2.1	1	40768400	
		2	16.65x19.05x3.1		1								

Product (Datasheet): [SR1A-A2 \(5063\), SR1A-B2 \(5064\), SR1A-B2*CE1017 \(5084\), SR4A-B2 \(5065\), SR4E2-B2 \(5068\)](#)

Cavity A2, B2

1 - O-ring
2 - Dualseal



Position	SR1A-A2					Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2	Seal Kit	Pos.	Dualseal PU		Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
	NBR	2	10.3x12.7x3.1		1	1	17x1.8	1	-	-	-	20776700	
		2	10.3x12.7x3.1		1	-	-	-	1	17.17x1.78	1	17014300	
Position	SR1A-B2, SR1A-B2*CE1017, SR4A-B2, SR4E2-B2					Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
1+2	Seal Kit	Pos.	Dualseal PU		Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.	
	NBR	2	13.47x15.87x3.1		1	1	19.4x2.1	1	-	-	-	18960400	
	FPM	2	13.47x15.87x3.1		1	-	-	-	1	19.4x2.1	1	18960500	

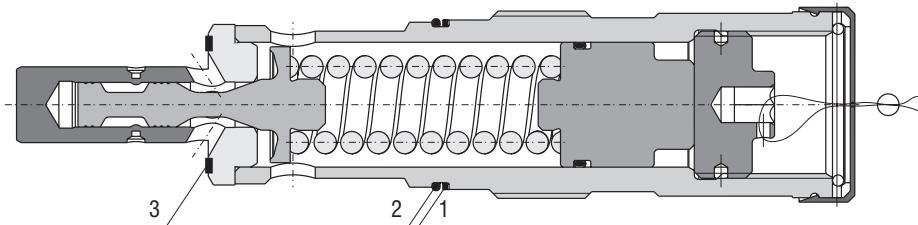
All dimensions are indicated in millimeters [mm].

3 Pressure Control Valves

Product (Datasheet): [VPP-R-16\(25\) \(5300\)](#), [VPP-R-16-xx-L-CE1017 \(5095\)](#)

Valve size 16, 25

- 1 - Back-up ring
- 2 - O-ring
- 3 - Seal

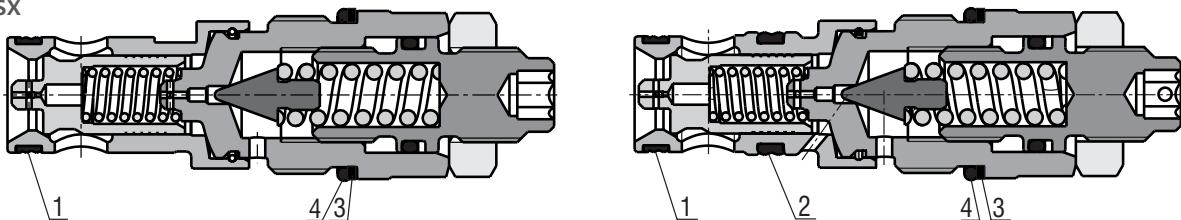


Position	VPP-R-16							Ordering No.
1+2	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring NBR	Pcs	
	NBR	1	27.38x33.38x1.0 (PT)	1	2	26.57x3.53	1	
	FPM			1			1	On request
Position	VPP-R-25							
1+2	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring NBR	Pcs	Ordering No.
	NBR	1	35.38x38.08x1.14	1	2	34.65x1.78	1	
	FPM			1			1	On request
Position	VPP-R-16-xx-L-CE1017							
1+2+3	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring NBR	Pcs	Pos. Seal HTR 24 Pcs Ordering No.
	NBR	1	27.38x33.38x1.0 (PT)	1	2	26.57x3.53	1	HTR 24 1 34158400
	FPM			1			1	1 On request

Product (Datasheet): [VPN1-20 \(5159\)](#)

Cavity S, SY and SX

- 1 - Dual-Seal
- 2 - Dual-Seal
- 3 - Back-up ring
- 4 - O-ring



Position	VPN1-20 (S, SY)							Ordering No.
1+3+4	Seal Kit	Pos.	Dual-Seal	Pcs				Pos. Back-up ring Pcs Pos. O-ring NBR Pcs Ordering No.
	NBR	1	19.62x22.22x3.8	1			3	27.46x31.82x1.14 1 4 26.64x2.62 1 40709600
	FPM							On request
Position	VPN1-20 (SX)							
1+2+3+4	Seal Kit	Pos.	Dual-Seal	Pcs	Pos.	Dual-Seal	Pcs	Pos. Back-up ring Pcs Pos. O-ring NBR Pcs Ordering No.
	NBR	1	19.62x22.22x3.8	1	2	19.6x23x4.4	1	3 27.46x31.82x1.14 1 4 26.64x2.62 1 40714300
	FPM							On request

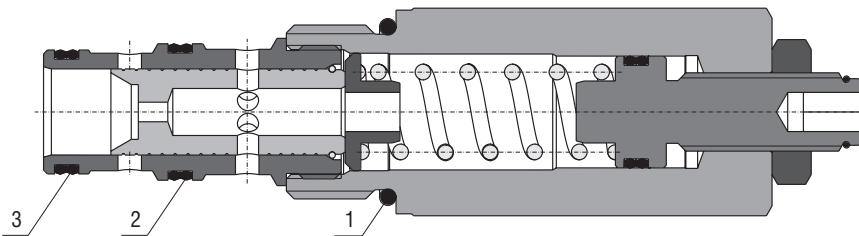
All dimensions are indicated in millimeters [mm].

4 Flow Control Valves

Product (Datasheet): [SF22A-A2/H \(5060\)](#), [SF22A-B2/H \(5067\)](#), [SF32A-B3/H \(5070\)](#), [ST2C1A-A2 \(5133\)](#), [ST21A-B2 \(5134\)](#)

Cavity A2, B2, B3

- 1 - O-ring
- 2 - Dalseal
- 3 - Dalseal

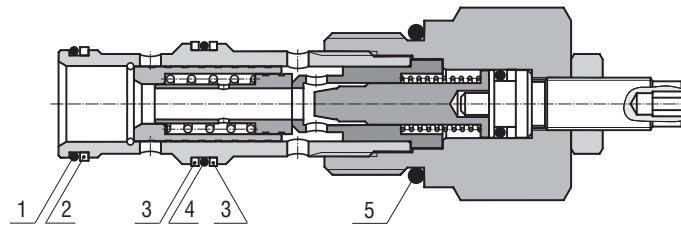


Position SF22A-A2/H, ST2C1A-A2											
1+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	10.3x12.7x3.1	1	1	17x1.8	1	-	-	-	20776700
	FPM	3	10.3x12.7x3.1	1	-	-	-	1	17.17x1.78	1	17014300
Position SF22A-B2/H, ST21A-B2											
1+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960400
	FPM	3	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960500
Position SF32A-B3/H											
1+2+3	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	Dalseal PU	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	2	15.07x17.47x3.1	1	1	19.4x2.1 (NBR)	1	18960700
	FPM	3	13.47x15.87x3.1	1	2	15.07x17.47x3.1	1	1	19.4x2.1 (FPM)	1	18960600

Product (Datasheet): [SF2C2A-K2/I \(5236\)](#), [SF32A-K3/I \(5227\)](#)

Cavity K2, K3

- 1 - O-ring
- 2 - Back-up ring
- 3 - Back-up ring
- 4 - O-ring
- 5 - O-ring

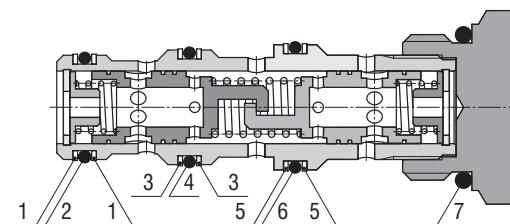


Position SF2C2A-K2/I											
1+2+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs			Ordering No.	
		1, 5		1	2		1			On request	
Position SF32A-K3/I											
1+2+3+4+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
		1, 4, 5		1	2		1	3		2	On request

Product (Datasheet): [SFD2F-B4/I \(5234\)](#), [SFD2F-D4/I \(5235\)](#)

Cavity B4, D4

- 1 - Back-up ring
- 2 - O-ring
- 3 - Back-up ring
- 4 - O-ring
- 5 - Back-up ring
- 6 - O-ring
- 7 - O-ring



Position SFD2F-B4/I										
1+2+3+4+5+6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs			Ordering No.
		2, 4, 6, 7		1	1, 3, 5		2			On request

All dimensions are indicated in millimeters [mm].

4 Flow Control Valves

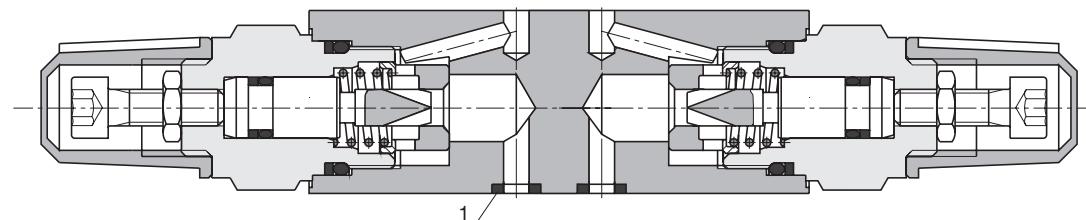
Product (Datasheet): [VSK \(5121\), VSO1-04/R \(5054\)](#)

VSK	Replacement seals for VSK valve is not offered!
VSO1-04/R	Replacement seals for VSO1-04/R valve is not offered!

Product (Datasheet): [VSO1-04/M \(5053\)](#)

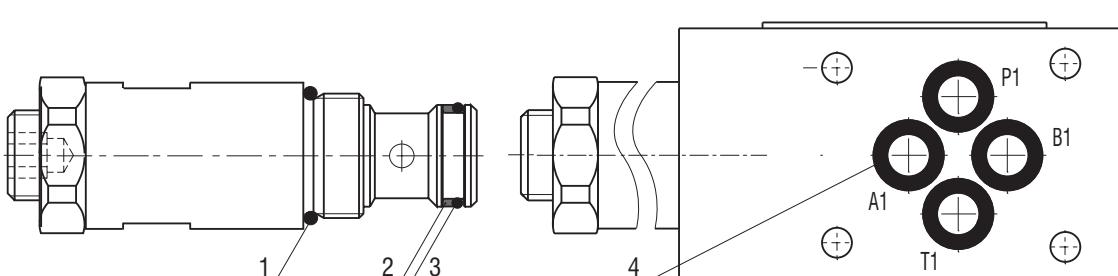
Product (Datasheet): [2VS3-06 \(5051\), VSS1-206 \(5032\), VSS1-306 \(5033\), VSS2-206 \(5041\)](#)

Product (Datasheet): [VSO2-10/M \(5056\), VSO3-10/M \(5076\)](#)
Valve 04, 06, 10

1 - Square ring (NBR),
O-ring (FPM)


Position VSO1-04/M					
1	Seal Kit	Pos.	Ring	Pcs	Ordering No.
	NBR	1	Square ring 7.65x1.68	4	20718400
	FPM		O-ring 7.65x1.78	4	22502600
Position 2VS3-06, VSS1-206, VSS1-306, VSS2-206					
1	Seal Kit	Pos.	Ring	Pcs	Ordering No.
	NBR	1	Square ring 9.25x1.68	4	15650300
	FPM		O-ring 9.25x1.78	4	22944700
Position VSO2-10/M, VSO3-10/M					
1	Seal Kit	Pos.	Square ring	Pcs	Ordering No.
	NBR	1	12.42x1.68	5	15991600
	FPM		12.42x1.68	5	40066700

Product (Datasheet): [VSS3-062/S \(5057\), VSS3-062/M \(5050\)](#)
Valve 06

1 - O-ring
2 - Back-up ring
3 - O-ring
4 - Square ring (NBR),
O-ring (FPM)


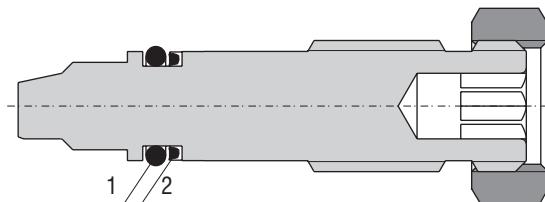
Pos.	VSS3-062/S, VSS3-062/M										Ordering No.
1-3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	14.73x17.43x1.14	1	3	14x1.78	1	15650200
	FPM		19.4x2.1	1		14.73x17.43x1.14	1		14x1.78	1	16954700
Pos. VSS3-062/M											
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 9.25x1.68	4	15650300
	FPM								O-ring 9.25x1.78	4	22944700

All dimensions are indicated in millimeters [mm].

4 Flow Control Valves

 Product (Datasheet): [VSV2 \(5132\)](#)
Cavity QC2

- 1 - O-ring
-
- 2 - Back-up ring



Pos.	VSV2-1, VSV2-J1, VSV2-J2						Ordering No.	
1, 2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	
	NBR	1	6.9x1.8	1	2	6.73x9.43x1.14	1	40125400
	FPM		6.9x1.8	1		6.73x9.43x1.14	1	40125300

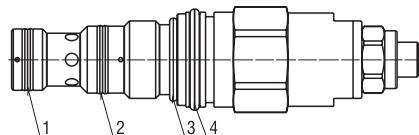
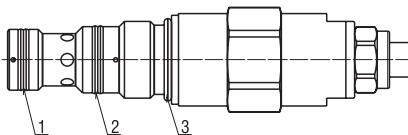
All dimensions are indicated in millimeters [mm].

5 Overcentre Valves

Product (Datasheet): [SO5A-BP3 \(5199\)](#), [SO5A-CP3 \(5194\)](#), [SOB5A-BP3 \(5197\)](#), [SOB5A-CP3 \(5195\)](#)

Cavity BP3, CP3

1, 2, 3, 4 - těsnění

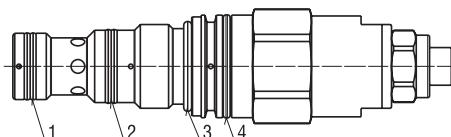


Pos.	SO5A-BP3								SO5A-CP3							
1-3	Seal Kit	Pos.	Dual-Seal PU	Pcs	Pos.	Dual-Seal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.		
		NBR	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR70	1			40771600		
		FPM	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 V80	1			40768400		
1-4	SOB5A-BP3 (with vent sealing)								SOB5A-CP3 (with vent sealing)							
		NBR	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR70	1	4	23x47x2.62 NBR70	1	40771800	
		FPM	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 V80	1	4	23x47x2.62 V80	1	40771700	
1-4	SOB5A-CP3 (with vent sealing)															
		NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 NBR90	1	4	26.64x2.62 NBR70	1	42749400	
		FPM	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 V90	1	4	26.64x2.62 V80	1	42749600	

Product (Datasheet): [SOBD5A-BPY3 \(5198\)](#), [SOBD5A-CPY3 \(5196\)](#)

Cavity BPY3, CPY3

1, 2, 3, 4 - těsnění



Pos.	SOBD5A-BPY3								SOBD5A-CPY3							
1-4	Seal Kit	Pos.	Dual-Seal PU	Pcs	Pos.	Dual-Seal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.		
		NBR	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR70	1	4	23.52x1.78 NBR90	1	40772200	
		FPM	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 V80	1	4	23.53x1.78 V80	1	40772100	
1-4	SOBD5A-CPY3															
		NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 NBR90	1	4	28.3x1.78 NBR90	1	41676700	
		FPM	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 V90	1	4	28.3x1.78 V80	1	41676800	

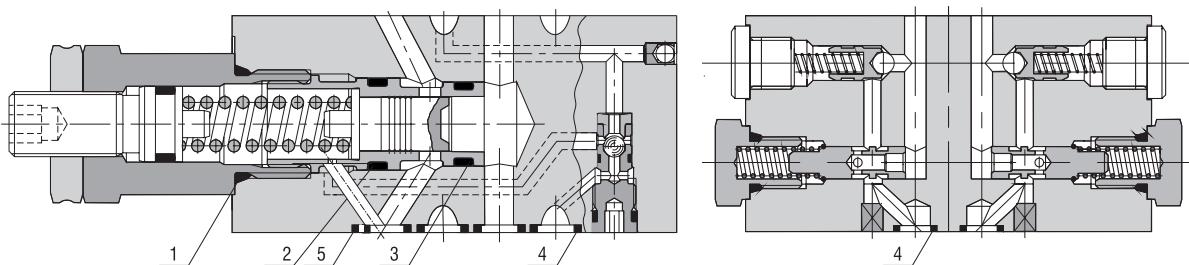
All dimensions are indicated in millimeters [mm].

6 Proportional Valves

Product (Datasheet): [TV2-063/S \(5158\)](#), [TV2-062/M \(5166\)](#), [TV2-063/M \(5168\)](#) [TV2-042/M \(5167\)](#), [TV2-043/M \(5188\)](#)

Valve size 04, 06

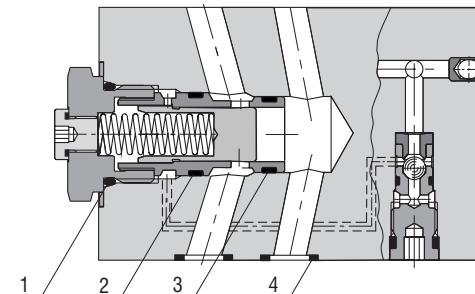
- 1 - O-ring
- 2 - Dalseal
- 3 - Dalseal
- 4 - Square ring
- O-ring
- 5 - O-ring



Pos.	TV2-063/S										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dalseal PU	Pcs	Pos.	Dalseal PU	Pcs	
	NBR	1	18x2	1	2	14.6x17x3.4	1	3	13.1x15.5x3.4	1	
	FPM		18x2	1	14.6x17x3.4	1	3	13.1x15.5x3.4	1		
Pos.	TV2-062/M*, TV2-062/MCX, TV2-063/M*										
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 9.25x1.68	4	15650300
	FPM							4	O-ring 9.25x1.78	4	22944700
Pos.	TV2-062/MCX										
5	NBR							5	O-ring 5.28x1.68	1	20161600
Pos.	TV2-042/M, TV2-043/M										
4	Seal Kit							Pos.	Ring	Pcs	Ordering No.
	NBR							4	Square ring 7.65x1.68	4	20718400
	FPM							4	O-ring 7.5x1.8	4	17246100

Product (Datasheet): [TV2-102/S \(5179\)](#), [TV2-103/S \(5180\)](#), [TV2-102/M \(5169\)](#), [TV2-103/M \(5170\)](#)

Valve size 10

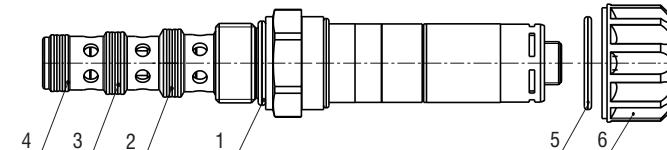


Pos.	TV2-102/S, TV2-103/S										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dalseal PU	Pcs	Pos.	Dalseal PU	Pcs	
	NBR	1	23.47x2.95	1	2	20.6x23x3.4	1	3	18.6x21x3.6	1	
	FPM		23.47x2.95	1	2	20.6x23x3.4	1	3	18.6x21x3.6	1	
Pos.	TV2-102/M, TV2-103/M										
4	Seal Kit							Pos.	Square ring	Pcs	Ordering No.
	NBR							4	12.42x1.68	5	15991600
	FPM							4	12.42x1.68	5	40066700

Product (Datasheet): [SD2P-B4 \(5149\)](#)

Cavity B4 7/8-14 UNF

- 1 - O-ring
- 2, 3, 4 - Dalseal
- 5 - O-ring
- 6 - Retaining nut



Position	SD2P-B4/H										
1+2+3+4	Seal Kit	Pos.	Dalseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
NBR		4	13.47x15.87x3.1	1	1	19.4x2.1	1	1	19.4x2.1	-	18960800
		3	15.07x17.47x3.1	1							
		2	16.65x19.05x3.1	1							
	FPM	4	13.47x15.87x3.1	1							18960900
		3	15.07x17.47x3.1	1		-	-		1	19.4x2.1	
		2	16.65x19.05x3.1	1							
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		5	22x2	1	6	Plastic	1				15844600

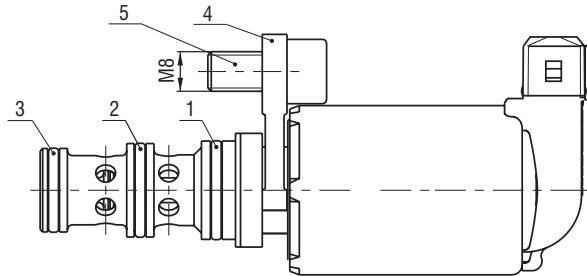
All dimensions are indicated in millimeters [mm].

6 Proportional Valves

Product (Datasheet): [PP2P1-W3 \(5125\), PP2P3-W3 \(5147\)](#)

Cavity W3

- 1, 2, 3 - O-ring
- 4 - Fork Slip-In M8
- 5 - Bolt M8x16 (ISO 4762)

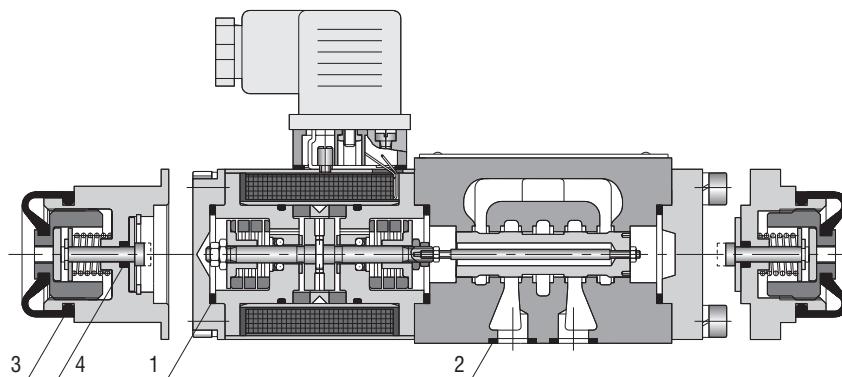


Position	PP2P1-W3, PP2P3-W3										Ordering No.
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	16961300
	FPM	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	On request
4+5	Kit - Fork+Bolt M8	Pos.		Pcs	Pos.		Pcs				Ordering No.
		4	Fork SLIP-IN M8	1	5	Bolt M8x16 Zn / PO-A	1				16961500

Product (Datasheet): [PRL1 \(5101\)](#)

Size 06

- 1 - O-ring
- 2 - Square ring (NBR)
- 3 - Rubber boot
- 4 - O-ring

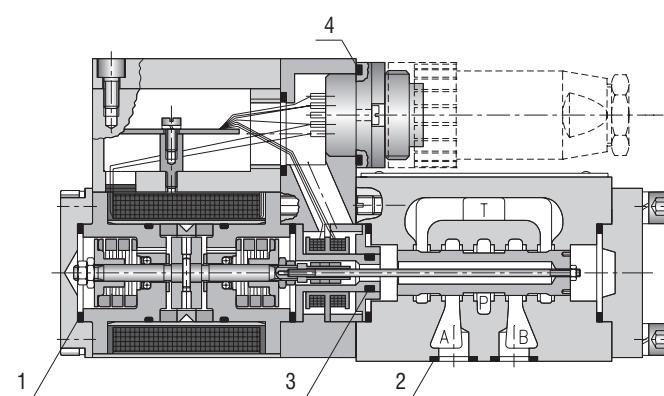


Position	PRL1* without manual override										Ordering No.			
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs				Ordering No.			
	NBR	1	22x2	3	2	Square ring 9.25x1.68	4				23043600			
	FPM	1		3	2		4				On request			
Position	PRL1*NN										Ordering No.			
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Manual override	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x2	3	2	Square ring 9.25x1.68	4	3	Rubber boot	1	4	4x1.75	1	23043700
	FPM	1		3	2		4	3		1	4		1	On request
Position	PRL1*NN										Ordering No.			
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Manual override	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x2	3	2	Square ring 9.25x1.68	4	3	Rubber boot	2	4	4x1.75	2	23043800
	FPM	1		3	2		4	3		2	4		2	On request

Product (Datasheet): [PRL2 \(5103\)](#)

Size 06

- 1 - O-ring
- 2 - Square ring (NBR)
- 3, 4 - O-ring



All dimensions are indicated in millimeters [mm].

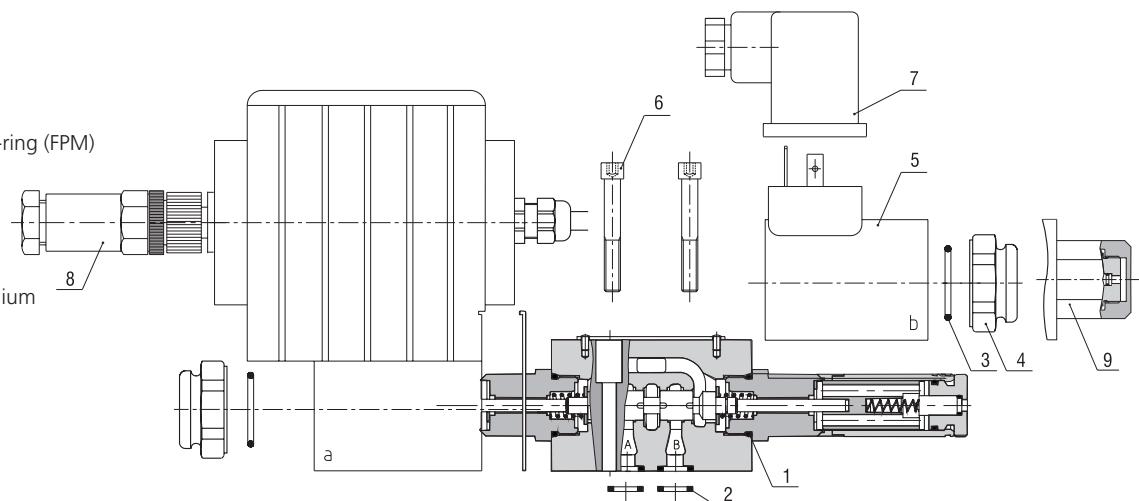
Position	PRL2* without manual override														
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.	
	NBR	1	22x2	4	2	Square ring 9.25x1.68	4	3	6x2	1	4	18x2	1	23043900	
	FPM	1		4	2		4	3		1	4		1	On request	

6 Proportional Valves

Product (Datasheet): [PRM2-04 \(5105\)](#), [PRM2-06 \(5104\)](#), [PRM6-10 \(5115\)](#)

Size 04, 06, 10

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - O-ring
- 4 - Retaining nut Plastic
- 5 - Solenoid coil
- 6 - Mounting bolt
- 7, 8 - Connector
- 9 - Retaining nut Aluminium



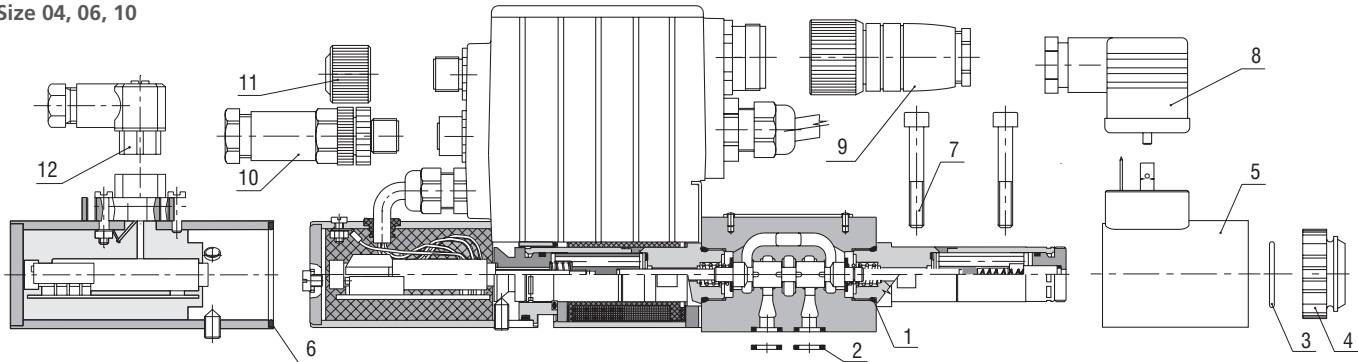
Position	PRM2-04								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring		Pcs	Ordering No.
	NBR	1	16x2	2	2	Square ring 7.65x1.68		4	15873800
	FPM		16x2	2		O-ring 7.5x1.8		4	15874400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
		3	18x1.5	1	4	Plastic		1	15874500
5	Solenoid Coil Kit	Pos.						Pcs	Ordering No.
		5	Nominal supply voltage 12 V					1	27821900
			Nominal supply voltage 24 V					1	27824200
6	Bolt Kit	Pos.	Mounting bolt					Pcs	Ordering No.
		6	M5x35					4	15874600
Position	PRM2-06								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring		Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68		4	15845200
	FPM		17.17x1.78	2		O-ring 9.25x1.78		4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
		3	22x2	1	4	Plastic		1	15844600
5	Solenoid Coil Kit	Pos.						Pcs	Ordering No.
		5	Nominal supply voltage 12 V					1	18838500
			Nominal supply voltage 12 V (1.6 A) for 12 V electronic unit integrated					1	16187500
			Nominal supply voltage 24 V					1	18838300
6	Bolt Kit	Pos.	Mounting bolt					Pcs	Ordering No.
		6	M5x45					4	15845100
Position	PRM6-10								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Square ring		Pcs	Ordering No.
	NBR	1	23.81x2.62	2	2	12.42x1.68		5	23114300
	FPM		23.47x2.62	2		12.42x1.68		5	23114400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
	Standard, N2	3	30x2	1	4	Plastic		1	15900800
3+9	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
	N1	3	30x2	1	4	Aluminium		1	45332300
5	Solenoid Coil Kit	Pos.						Pcs	Ordering No.
		5	Nominal supply voltage 12 V					1	16195800
			Nominal supply voltage 24 V					1	16196100
6	Bolt Kit	Pos.	Mounting bolt					Pcs	Ordering No.
		6	M6x45					4	20239000
Position	PRM2-04, PRM2-06, PRM6-10								
7	Connector	Pos.	Type K1 without rectifier M16x1.5 bushing bore Ø 6-8 mm (0.24-0.32 in)					Pcs	Ordering No.
to EN 175301-803		7	Maximum input voltage 250 V AC/DC	Connector plug			G gray	1	16202200
							B black	1	16202100
8	Connector	Pos.						Pcs	Ordering No.
		8	M12x1 (4-pin connector)					1	15634200

All dimensions are indicated in millimeters [mm].

6 Proportional Valves

Product (Datasheet): [PRM7-04 \(5120\)](#), [PRM7-06 \(5119\)](#), [PRM7-10 \(5116\)](#)

Size 04, 06, 10



1 - O-ring

2 - Square ring (NBR),
O-ring (FPM)

3 - O-ring

4 - Retaining nut

6 - Mounting bolt

8, 9, 10 - Connector

11 - Cover of connector

12 - Connector

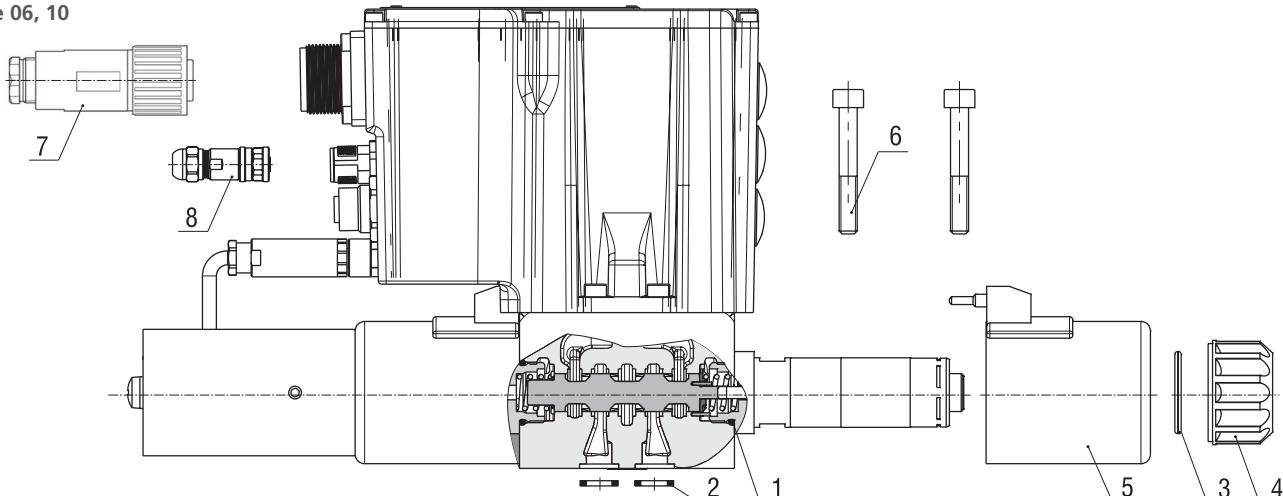
All dimensions are indicated in millimeters [mm].

Position PRM7-04								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	16x2	2	2	Square ring 7.65x1.68	4	15873800
	FPM	1	16x2	2	2	O-ring 7.5x1.8	4	15874400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	18x1.5	1	4	Plastic	1	15874500
5	Solenoid Coil Kit	Pos.					Pcs	Ordering No.
		5	Nominal supply voltage 12 V				1	27821900
			Nominal supply voltage 24 V				1	27824200
6	Seal	Pos.	O-ring				Pcs	Ordering No.
		6	28x2				1	15605600
7	Bolt Kit	Pos.	Mounting bolt				Pcs	Ordering No.
		7	Bolt M5x35				4	15874600
Position PRM7-06								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4	15845200
	FPM	1	17.17x1.78	2	2	O-ring 9.25x1.78	4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	22x2	1	4	Plastic	1	15844600
5	Solenoid Coil Kit	Pos.					Pcs	Ordering No.
		5	Nominal supply voltage 12 V				1	18838500
			Nominal supply voltage 12 V (1.6 A) for 12 V electronic unit integrated				1	16187500
			Nominal supply voltage 24 V					18838300
6	Seal	Pos.	O-ring				Pcs	Ordering No.
		6	32x2				1	15606000
7	Bolt Kit	Pos.	Mounting bolt				Pcs	Ordering No.
		7	M5x45				4	15845100
Position PRM7-10								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Square ring	Pcs	Ordering No.
	NBR	1	23.81x2.62	2	2	12.42x1.68	5	23114300
	FPM	1	23.47x2.62	2	2	12.42x1.68	5	23114400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	30x2	1	4	Plastic	1	15900800
5	Solenoid Coil Kit	Pos.					Pcs	Ordering No.
		5	Nominal supply voltage 12 V				1	16195800
			Nominal supply voltage 24 V					16196100
6	Seal	Pos.	O-ring				Pcs	Ordering No.
		6	32x2				1	15606000
7	Bolt Kit	Pos.	Mounting bolt				Pcs	Ordering No.
		7	M6x45				4	20239000
Position PRM7-04, PRM7-06, PRM7-10								
8	Connector	Pos.	Type K1 without rectifier M16x1.5 bushing bore Ø 6-8 mm (0.24-0.32 in)				Pcs	Ordering No.
	to EN 175301-803	8	Maximum input voltage 250 V AC/DC		Connector plug	G gray B black	1 1	16202200 16202100
9	Connector	Pos.					Pcs	Ordering No.
		9	M23-7PIN-FEMALE - connector (female)				1	17508300
10	Connector	Pos.					Pcs	Ordering No.
		10	M12x1-5PIN-MALE - connector (male), only for E03 and E04S01 configurations				1	17661100
11	Cover of connector	Pos.					Pcs	Ordering No.
		11	M12x1				1	23090600
12	Connector	Pos.					Pcs	Ordering No.
		12	G4W1FSW				1	20607000

6 Proportional Valves

Product (Datasheet): **PRM9-06 (5129), PRM9-10 (5130)**

Size 06, 10



1 - O-ring

2 - Square ring (NBR),
O-ring (FPM)

3 - O-ring

4 - Retaining nut

6 - Mounting bolt

7, 8, 9 - Connector

All dimensions are indicated in millimeters [mm].

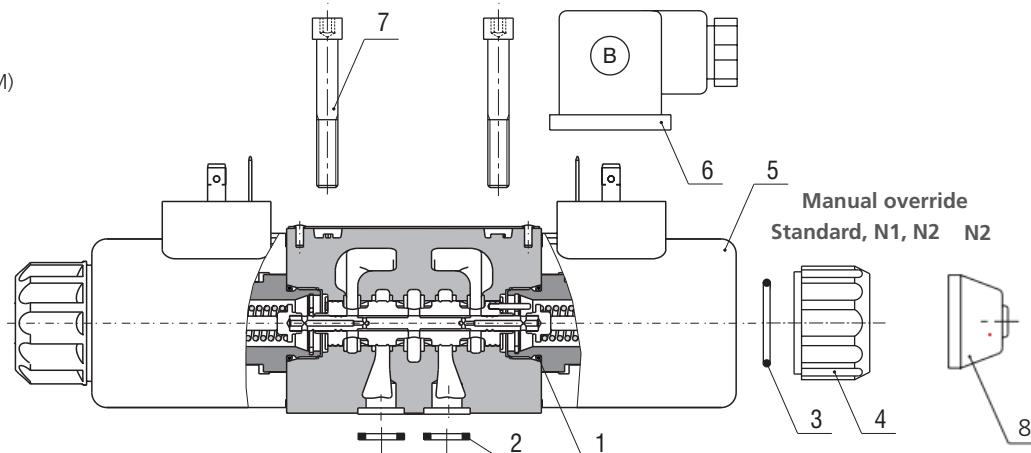
Position PRM9-06								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4	15845200
	FPM	1	17.17x1.78	2	2	O-ring 9.25x1.78	4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	22x2	1	4	Plastic	1	15844600
5	Solenoid Coil Kit	Pos.	Nominal supply voltage 24 V					Pcs Ordering No.
		5	Nominal supply voltage 24 V					1 31800900
6	Bolt Kit	Pos.	Mounting bolt					
		6	M5x45					
Position PRM9-10								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Square ring	Pcs	Ordering No.
	NBR	1	23.81x2.62	2	2	12.42x1.68	5	23114300
	FPM	1	23.47x2.62	2	2	12.42x1.68	5	23114400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	30x2	1	4	Plastic	1	15900800
5	Solenoid Coil Kit	Pos.	Nominal supply voltage 24 V					Pcs Ordering No.
		5	Nominal supply voltage 24 V					1 32083700
6	Bolt Kit	Pos.	Mounting bolt					
		6	M6x45					
Position PRM9-06, PRM9-10								
7	Connector	Pos.						Pcs Ordering No.
		7	CM06EA14S-61S - Main supply connector +PE MIL (EN 175201-804)					1 40375000
8	Connector	Pos.						Pcs Ordering No.
		8	M12x1-5PIN-FEMALE-CAN - plug (5-pol, A-Code), CANopen (optional)					1 33997300

6 Proportional Valves

Product (Datasheet): [PRM8-06 \(5178\)](#), [PRM8-10 \(5253\)](#)

Size 06

- 1 - O-ring
- 2 - Square ring (NBR), O-ring (FPM)
- 3 - O-ring
- 4 - Retaining nut
- 5 - Solenoid coil
- 6 - Connector
- 7 - Mounting bolt
- 8 - Rubber boot + Actuating pin

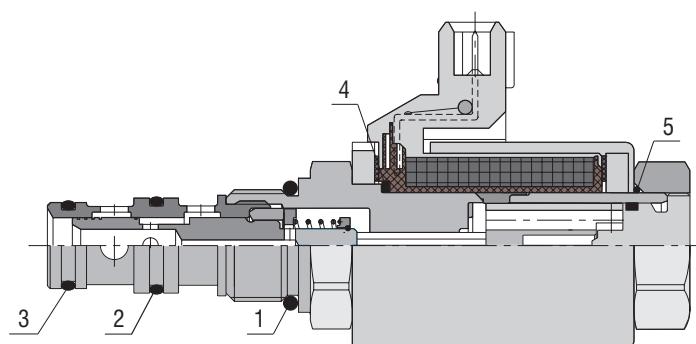


Position PRM8-06													
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Ring	Pcs	Pos.	Ordering No.	
1	NBR	1	17x1,8	2	2	Square ring 9,25x1,68	4	5	O-ring 9,25x1,78	4	6	15845200	
	FPM		17,17x1,78	2		O-ring 9,25x1,78							
7	Nut Kit	Pos.	Retaining nut							Pcs		Ordering No.	
		7	M5x30							4		40101700	
Position PRM8-10													
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Ring	Pcs	Pos.	Ordering No.	
1	NBR	1	23,81x2,62	2	2	12,42x1,68	5	6	12,42x1,68	5	7	23114300	
	FPM		23,47x2,62	2		12,42x1,68							
7	Bolt Kit	Pos.								Pcs		Ordering No.	
Mounting bolt for steel plates		7	bolt M6x45		(for studs see Datasheet 0020)					4		20239000	
Position PRM8-06, PRM8-10													
5	Solenoid coil		E1			E3A		E12		E13			
Nominal supply voltage		Pos.					Ordering No. (1pc)						
12 V		5	18838500			19744700		19696100		19909300			
24 V			18838300			19744300		19696200		30691600			
6	Connector	Pos.	Type K1 without rectifier M16x1.5 bushing bore Ø 6-8 mm (0.24-0.32 in)				Pcs					Ordering No.	
acc. to EN 175301-803		6	Maximum input voltage 250 V AC/DC		Connector plug		G gray			1		16202200	
							B black			1		16202100	
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut				Pcs		Ordering No.	
Standard, N2		3	22x2	1	4	Plastic				1		15844600	
N1		3	22x2	1	4	Plastic - closed						15844700	
8	Kit	Pos.								Pcs		Ordering No.	
	N2	8	Rubber boot + Actuating pin							1		15900900	

Product (Datasheet): [PVRM1-063/S \(5108\)](#), [PVRM3-10 \(5118\)](#)

Size 06, 10

- 1, 2, 3, 4, 5 - O-ring



Position PVRM1-063/S																
1 - 5	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Ordering No.	
1	NBR	1	18x2	1	2	14x1.78	1	3	12.42x1.78	1	4	20x2	1	5	18x1.5	1
	FPM		18x2	1		14x1.78	1		12.42x1.78	1		20x2	1		18x1.5	1
Position PVRM3-10																
1 - 5	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Ordering No.	
1	NBR	1	20.3x2.4	1	2	17x1.8	1	3	15x1.8	1	4	22x1.5	1	5	22x2	1
	FPM		20.3x2.4	1		17.17x1.78	1		14x1.78	1		22x1.5	1		22x2	1

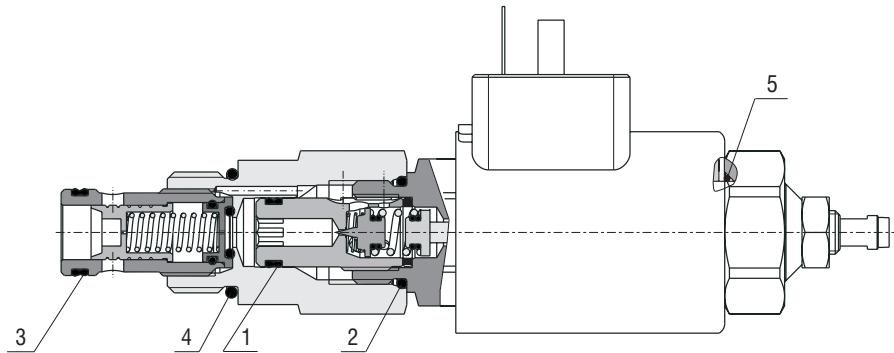
All dimensions are indicated in millimeters [mm].

6 Proportional Valves

Product (Datasheet): [SR1P2-A2 \(5122\)](#), [SR4P2-B2 \(5117\)](#), [SRN1P1-A2 \(5137\)](#), [SRN4P1-B2 \(5138\)](#)

Cavity A2, B2

- 1 - Dulseal
- 2 - O-ring
- 3 - Dulseal
- 4 - O-ring
- 5 - O-ring

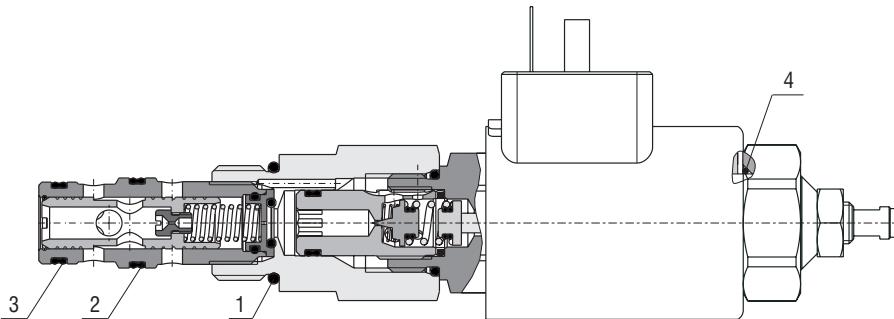


Position	SR1P2-A2, SRN1P1-A2										Ordering No.
1+2+5	Seal Kit	Pos.	Dulseal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	10.3x12.7x3.1	1	2	17.17x1.78	1	5	18x1.5	1	40102100
	FPM		10.3x12.7x3.1	1		17.17x1.78	1		18x1.5	1	40102000
Position	SR4P2-B2, SRN4P1-B2										Ordering No.
3+4+5	Seal kit	Pos.	Dulseal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	4	19.4x2.1	1	5	18x1.5	1	40102700
	FPM		13.47x15.87x3.1	1		19.4x2.1	1		18x1.5	1	40102300

Product (Datasheet): [SP4P2-B3 \(5123\)](#), [SPN4P1-B3 \(5139\)](#)

Cavity B3

- 1 - O-ring
- 2 - Dulseal
- 3 - Dulseal
- 4 - O-ring

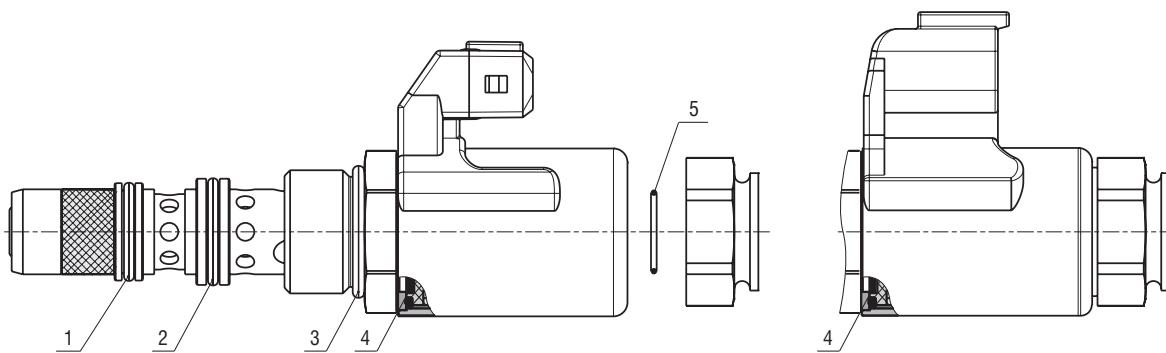


Position	SP4P2-B3, SPN4P1-B3										Ordering No.
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dulseal PU	Pcs	Pos.	Dulseal PU	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	15.07x17.47x3.1	1	3	13.47x15.87x3.1	1	18960700
	FPM		19.4x2.1	1		15.07x17.47x3.1	1		13.47x15.87x3.1	1	18960600
4	Seal							Pos.	O-ring	Pcs	Ordering No.
	NBR							4	18x1.5	1	20150800
	FPM							4	18x1.5	1	20131900

Product (Datasheet): [SP4P1-B4 \(5124\)](#)

Cavity B4

- 1, 2, 3 - O-ring
- 4 - Dulseal
- 5 - O-ring

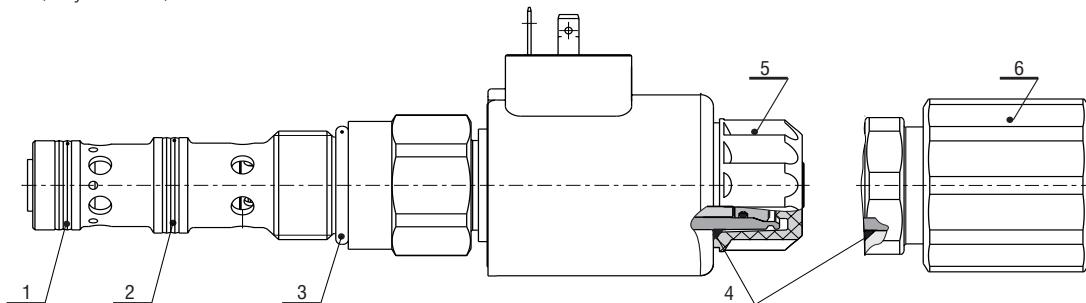


Position	SP4P1-B4										Pos.	Seal	Pcs	Pos.	O-ring	Pcs	Ordering No.
1+2+3+4+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Seal	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	14x1.78	1	2	15.6x1.78	1	3	19.4x2.1	1	4	Silikon seal	1	5	13x2	1	34321700
	FPM		14x1.78	1		15.6x1.78	1		19.4x2.1	1			1		13x2	1	34321800

All dimensions are indicated in millimeters [mm].

Cavity B4

- 1, 2 - Dualseal
 3 - O-ring
 4 - O-ring Nut Kit
 5 - Retaining nut
 6 - Swivel handle (only for M10)



Position SF32P-C3											
1+2+3	Seal Kit	Pos.	Dualseal PU	Pc	Pos.	Dualseal PU	Pc	Pos.	O-ring	Pc	Ordering No.
	NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	23.47x2.95 NBR 90 BK	1	43669700
	FPM		19.62x22.22x3.8	1		21.2x23.8x3.8	1		23.47x2.95 FPM 90 GN	1	43669600
4+5	Nut Kit	Pos.	O-ring	Pc	Pos.	Retaining nut	Pc	Ordering No.			
		4	22x2	1	5	Plastic	1				
4+6	Nut Kit	Pos.	O-ring	Pc	Pos.	Swivel handle	Pc	Ordering No.			
		4	22x2	1	6	M10 (only for M10)	1				

7 Explosion Proof Valves (ATEX/IECEx)

Product (Datasheet): Screw-in Style	SD1EX-A2 (4088), SD1EX-A3 (4068), SD2EX-B2 (4064), SD2EX-B3 (4065), SD2EX B4 (4066), SD3EX-B2 (4067), SD2PX-B4 (5186), SD3EX-C2 (4089), PVRMX3-103 (5184)
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Product (Datasheet): Modular Style	RPEX3-06 (4054), RPERX3-06 (4095), RPEX3-06*S6 (4094), PRMX2-06 (5183), PRMX8-06 (5185)
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ATEX - generally

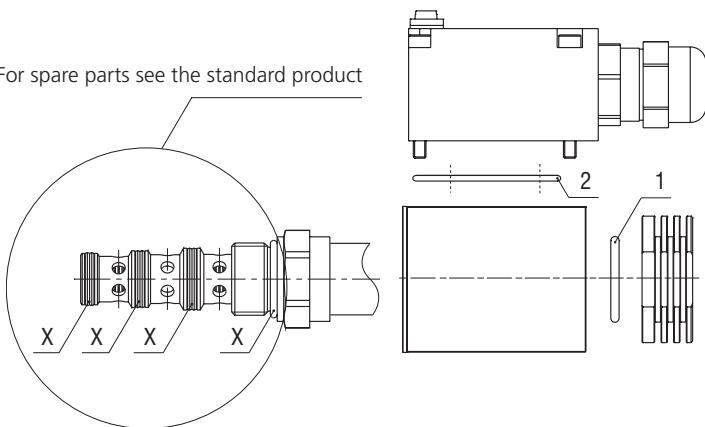
Position	SD1EX-A2, SD1EX-A3, SD2EX-B2, SD2EX-B3, SD2EX-B4, SD3EX-B2, SD3EX-C2			
1	Seal	O-ring	Pcs	Ordering No.
	MVQ (Silikon)	21.89x2.62	1	43928800
2	Seal	O-ring	Pcs	Ordering No.
	MVQ (Silikon)	46x2	1	34950700

Screw-in Style

For other spare parts see the standard product (for search of exact page use the Content)		
Explosion proof	Standard product	Section
SD1EX-A2	SD1E-A2	
SD1EX-A3	SD1E-A3	
SD2EX-B3	SD2E-B3	1
SD2EX-B4	SD2E-B4	
SD3EX-B2	SD3E-B2	
SD3EX-C2	SD3E-C2	
SD2PX-B4	SD2P-B4	6
PVRMX3-103 Seal kit	PVRM3-103 Pos. 1+2+3	6
Ordering No,	44461000	

1 - O-ring
2 - O-ring

For spare parts see the standard product

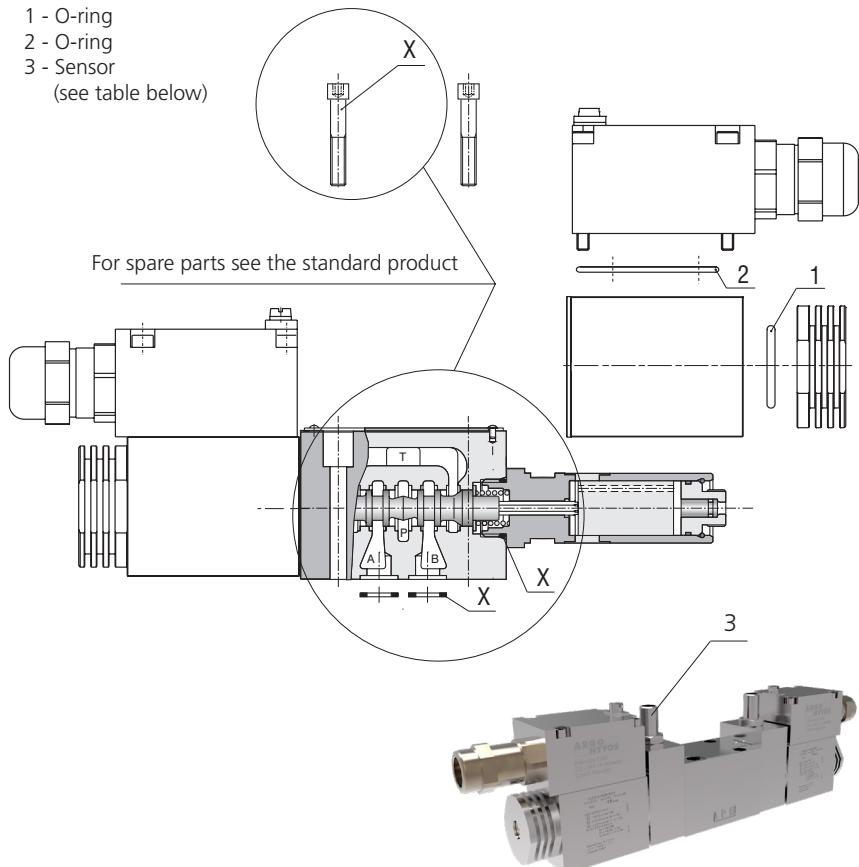


Modular Style

For other spare parts see the standard product (for search of exact page use the Content)		
Explosion proof	Standard product	Section
RPEX3-06	RPE3-06	
RPERX3-06	RPER3-06	1
RPEX3-06*S6	RPE3-06	
PRMX2-06	PRM2-06	6
PRMX8-06	PRM8-06	

1 - O-ring
2 - O-ring
3 - Sensor
(see table below)

For spare parts see the standard product



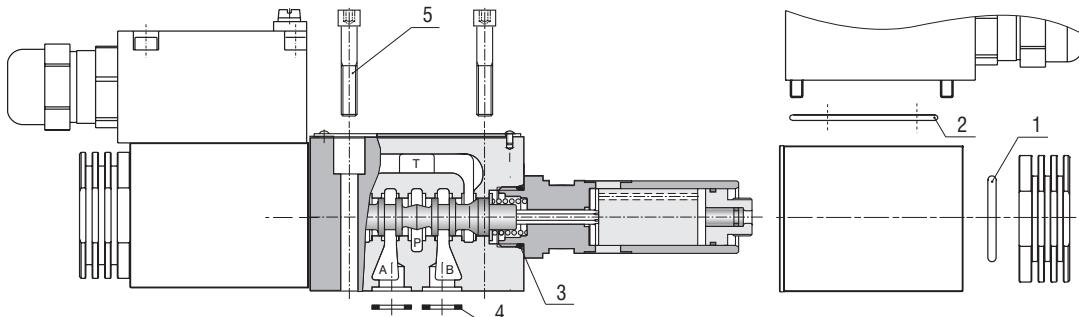
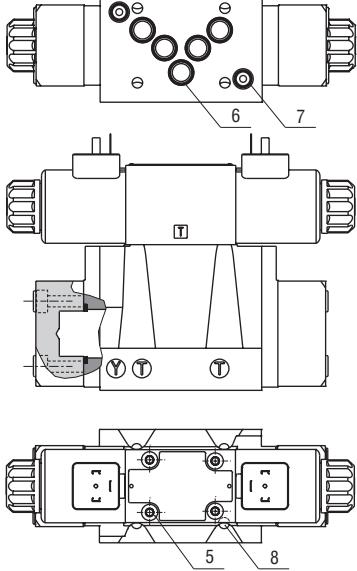
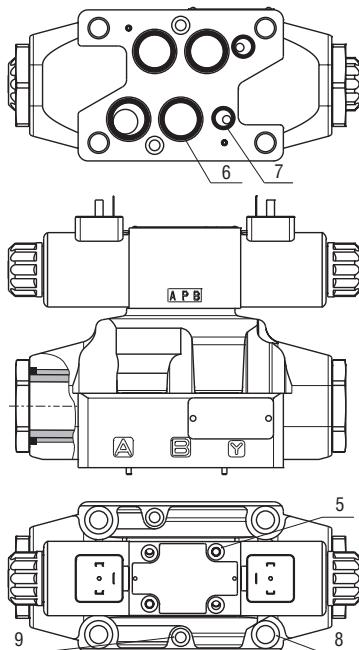
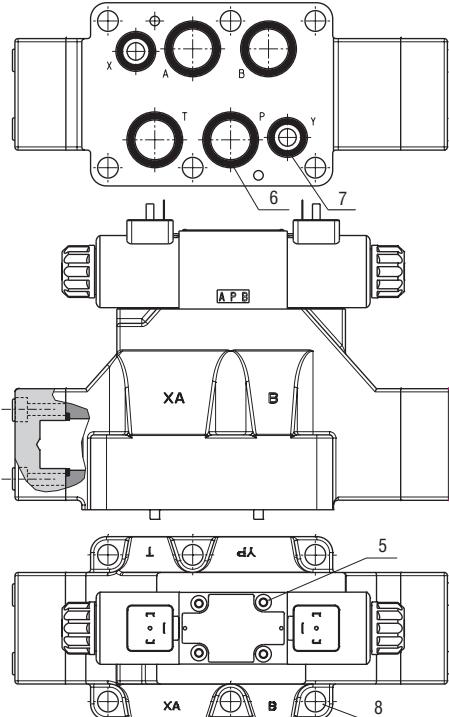
Position	RPEX3-06*S6		
3	Sensor S6	Pcs	Ordering No.
	210 bar (3050 Pcs)	1	40785200

All dimensions are indicated in millimeters [mm].

7 Explosion Proof Valves (ATEX/IECEx)

Product (Datasheet): **RNEXH1-10 (4077), RNEXH5-16 (4058), RNEXH4-25 (4059)**
RPEX3-06

- 1, 2 - O-ring
 3 - O-ring
 4 - Square ring (NBR),
 O-ring (FPM)
 5 - Mounting bolt


RNEXH1-10

RNEXH5-16

RNEXH4-25


All dimensions are indicated in millimeters [mm].

Position		RPEX3-06							
1	Seal	Pos.	O-ring	Pcs					Ordering No.
	VMQ (Silikon)	1	21.89x2.62	1					43928800
2	Seal	Pos.	O-ring	Pcs					Ordering No.
	VMQ (Silikon)	2	46x2	1					34950700
3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.		Ring	Pcs	Ordering No.
	NBR	3	17x1.8	2	4		Square ring 9.25x1.68	4	15845200
	FPM		17.17x1.78	2	4		O-ring 9.25x1.78	4	15845400
5	Bolt Kit	Pos.		Pcs					Ordering No.
	Mounting bolts for steel plates	5	Bolt M5x45	4					15845100

Position		RNEXH1-10							
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.	
	NBR	6	12.42x1.78	5	7	9.25x1.78	2	40075900	
	FPM			5			2	On request	
8	Bolts	Pos.		Pcs					
	Mounting bolts	8	Bolt M6x35	4	Mounting bolts for steel plates are not available				

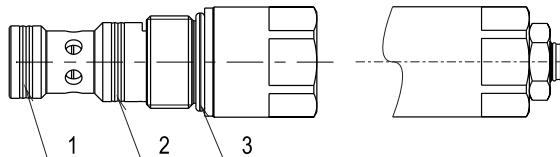
Position		RNEXH5-16							
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.	
	NBR	6	22.22x2.62	4	7	10.82x1.78	2	40076000	
	FPM			4			2	On request	
8+9	Bolts	Pos.		Pcs					
	Mounting bolts	8,9	Bolt M10x60, M6x50	4+2	Mounting bolts for steel plates are not available				

Position		RNEXH4-25							
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.	
	NBR	6	29.82x2.62	4	7	20.29x2.62	2	40076200	
	FPM			4			2	On request	
8	Bolts	Pos.		Pcs					
	Mounting bolts	8	Bolt M12x60	6	Mounting bolts for steel plates are not available				

15 Logic Valves

Product (Datasheet): **SL2H-BP3*(5044), (5043), SL2H-CP3*(5088), (5089)**
Cavity BP3, CP3

1, 2, 3 - seal



Position	SL2H-BP3/H2I11*, SL2H-BP3/H2I12*										
1-3	Seal Kit	Pos.	Dual-Seal PU	Pcs	Pos.	Dual-Seal PU	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	15,07x17x47x3,1	1	2	16,65x19,05x3,1	1	3	19,4x2,1 NBR70	1	40771600
	FPM		15,07x17x47x3,1	1		16,65x19,05x3,1	1		19,4x2,1 V80	1	40768400
SL2H-CP3/H2I11*, SL2H-CP3/H2I12*											
1-3	Seal Kit	Pos.	Dual-Seal PU	Pcs	Pos.	Dual-Seal PU	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	19,62x22,22x3,8	1	2	21,2x23,8x3,8	1	3	23.47x2.95 NBR90	1	47003513
	FPM		19,62x22,22x3,8	1		21,2x23,8x3,8	1		23.47x2.95 V90	1	47003514

All dimensions are indicated in millimeters [mm].

Ordering Code

SP - **[]** - **[]** - **[]** / **[]**

Spare parts
Group

Bolt kit	BK
Fork kit	FK
Nut kit	NK
Nut kit for double coil valve	DNK
Seal kit	SK
Orifice	O
Spool and position sensor	SPS
Soft-shift	SS
Connector	C

Bolt kit - size definition

Bolt kit - for DN04	BK
Bolt kit - for DN06	DN06
Bolt kit - for DN10	DN10

Fork kit - size definition

Fork SLIP-IN M8 + Bolt M8x16	FK
	M8

Nut kit - definition

Sada matic - definice	NK (DNK)
SIC	S
CETOP	C
SIC + CETOP	SC
ATEX	E

Seal kit - definition

Cavity / Valve size	SK
example - A2 /DN04	

Orifice - definition

Valve size	O
Valve size	DN03
Valve size	DN04
Valve size	DN06
Valve size	DN10

Spool and position sensor - definition

normally-open sensor (210 bar)	SPS
normally-closed sensor (210 bar)	S1

Soft-shift definition

Orifice Ø0.6 mm (0.02 inch) in T line bridge	SS
Adjustable needle valve in T line bridge	T2

Connector

FEMALE-CAN open (optional)	M12x1-5PIN-FEMALE-CAN	C
FEMALE, exter.feedback (optional)	M12x1-5PIN-FEMALE-FEEDBACK	
only for E03 and E04S01 configurations	M12x1-5PIN-MALE	
M23	M23-7PIN-FEMALE	
G4W1FSW	G4W1FSW	
CM06EA14S-61S	CM06EA14S-61S	

S	NK (DNK)
N2	Standard
N3	manual override N2
N4	manual override N3
N5	manual override N4
N7	manual override N5
N9	manual override N7
M7	manual override M7
M9	manual override M9
M10	manual override M10

070	O
080	0.7 mm (0.028 in)
100	0.8 mm (0.031 in)
120	1.0 mm (0.039 in)
150	1.2 mm (0.042 in)
200	1.5 mm (0.059 in)
220	2.0 mm (0.079 in)
250	2.2 mm (0.087 in)
400	2.5 mm (0.098 in)
	4.0 mm (0.157 in)

N	SK
V	NBR
H	FPM
S	HNBR
	VMQ

14	NK (DNK)
19	Core tube outer diameter
22	Core tube outer diameter
31	Core tube outer diameter
X	Atex coil („Ex-m“)
2X	Atex coil („Ex-d“)

M5x35	BK
M4x12	Size
M4x12 + M4x10	Size
M5x30	Size
M5x45	Size
M6x40	Size
M6x45	Size

