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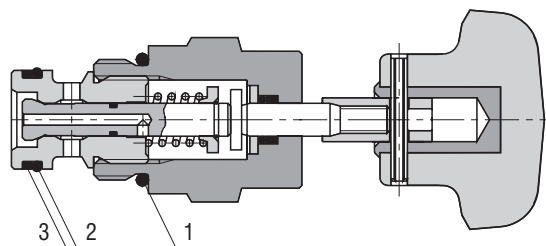
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1 Directional Control Valves and Poppet Valves

Product (Datasheet): **ROR3-062 (4025)**

Cavity QG2 M22x1.5

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



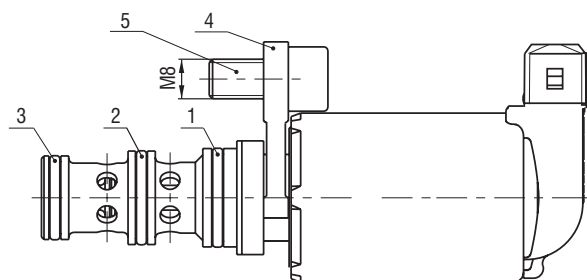
Position	ROR3-062										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	NBR	1	19.4x2.1	1	2	14x1.78	1	3	14.73x17.43x1.1	1	15650200
	FPM		19.4x2.1	2		14x1.78	4		14.73x17.43x1.1	2	16954700

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)

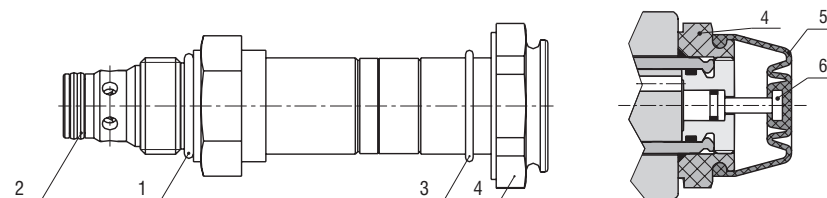


Position	PD2E1										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
Cavity	NBR	3	11.2x1.8	1	2	12.42x1.78	1	1	14x1.78	1	17938600
Y3	FPM	3	11.2x1.8	1	2	12.42x1.78	1	1	14x1.78	1	On request
Cavity	NBR	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	16961300
X3, W3	FPM	3	14x1.78	1	2	16x1.8	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				
		3	13x2	1	4	Plastic	1				15691500
Position	SD2E-A2/L										
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	5		1	6		1				29269100
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				
		3	18x1.5	1	4	Plastic	1				20777000
5+6	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	5		1	6		1				24142700

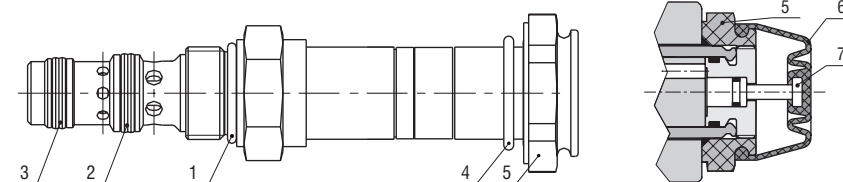
All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **SD1E-A3 (4071), SD2E-A3 (4041)**

Cavity A3 3/4-16 UNF

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



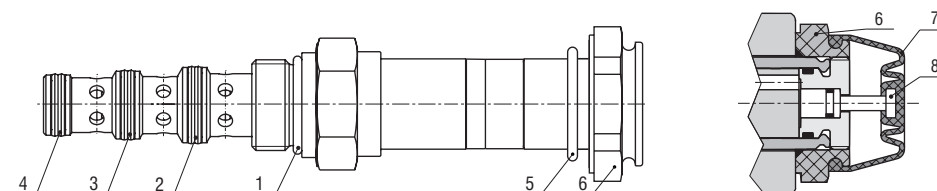
Position	SD2E-A3/L										
1+2+3	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	11.87x14.27x3.1	1	1	17x1.8	1	-	-	-	15661700
		2	13.47x15.87x3.1	1							
	FPM	3	11.87x14.27x3.1	1	-	-	-	1	17.17x1.78	1	20777200
		2	13.47x15.87x3.1	1							
Position	SD2E-A3/L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

Position	SD1E-A3/H, SD2E-A3/H										
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
		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	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	6		1	7		1				24142700

Product (Datasheet): **SD2E-A4 (4042)**

Cavity A4 3/4-16 UNF

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



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

Position	SD2E-A4/H										
1+2+3+4	Seal Kit	Pos.	Dualseal PU	Pcs		O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	4	10.3x12.7x3.1	1		17x1.8	1	-	-	-	20777300
		3	11.87x14.27x3.1	1							
		2	13.47x15.87x3.1	1							
	FPM	4	10.3x12.7x3.1	1		-	-	1	17.17x1.78	1	20777400
		3	11.87x14.27x3.1	1							
		2	13.47x15.87x3.1	1							
5+6	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		5	18x1.5	1	6	Plastic	1				20777000
7+8	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	7		1	8		1				24142700

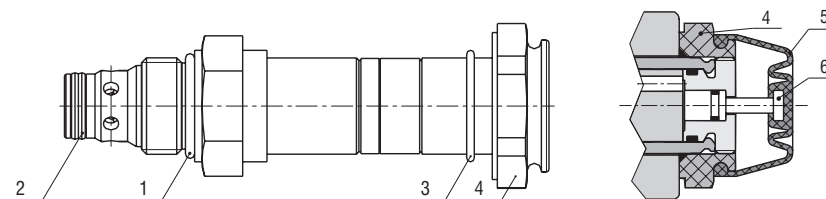
All dimensions are indicated in millimeters [mm].

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

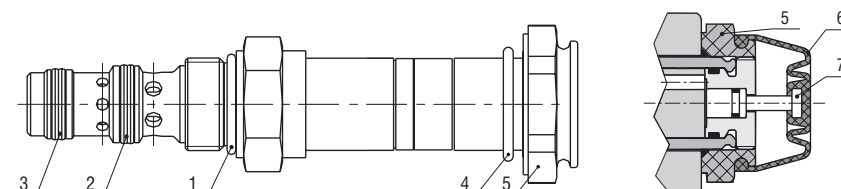


Position	SD2E-B2/L, SD3E-B2/L										
1+2	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	2	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960400
	FPM	2	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960500
3+4	Nut Kit	Pos.	O-ring		Pos.	Retaining nut	Pcs				
		3	18x1.5	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.	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
3+4	Nut Kit	Pos.	O-ring		Pos.	Retaining nut					
		3	22x2	1	4	Plastic	1				15844600
5+6	Kit	Pos.	Rubber boot		Pos.	Actuating pin					
	for M2	5		1	6		1				40099800
Position	SD3E-C2/H										
1+2	Seal Kit	Pos.	Dualseal 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
5+6	Kit	Pos.	Rubber boot		Pos.	Actuating pin					
	for M2 for 202	5		1	6		1				40099800

Product (Datasheet): **SD2E-B3 (4061)**

Cavity B3 7/8-14 UNF

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



Position	SD2E-B3/L										
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							
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	18x1.5	1	5	Plastic	1				20777000
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.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	13.47x15.87x3.1	1	1	17x1.8	1	-	-	-	18960700
		2	15.07x17.47x3.1	1							
	FPM	3	13.47x15.87x3.1	1	-	-	-	1	17.17x1.78	1	18960600
		2	15.07x17.47x3.1	1							
4+5	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs				
		4	22x2	1	5	Plastic	1				15844600
6+7	Kit	Pos.	Rubber boot		Pos.	Actuating pin					
	for M2	6		1	7		1				40099800

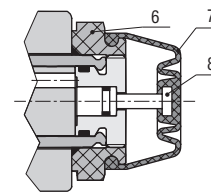
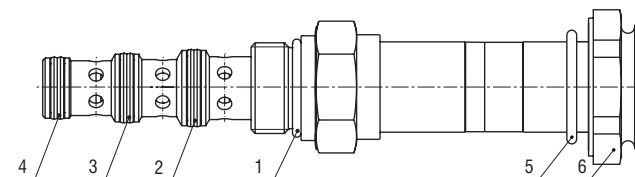
All dimensions are indicated in millimeters [mm].

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



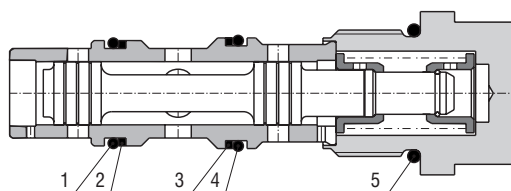
Position	SD2E-B4/L										
1+2+3+4	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	4	13.47x15.87x3.1	1	1	19.4x2.1	1	-	-	-	18960800
		3	15.07x17.47x3.1	1							
		2	16.65x19.05x3.1	1							
	FPM	4	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960900
		3	15.07x17.47x3.1	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.
	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							
	FPM	4	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960900
		3	15.07x17.47x3.1	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
7+8	Kit	Pos.	Rubber boot	Pcs	Pos.	Actuating pin	Pcs				
	for M2	7		1	8		1				40099800

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.
	NBR	1	16x2	1	2	17x20x1.4	1			40101900
		4	17X2	1	3	18x21x1.4	1			
		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			On request
		4	17X2	1	3	18x21x1.4	1			
		5	21.3X2.4	1	-		-			

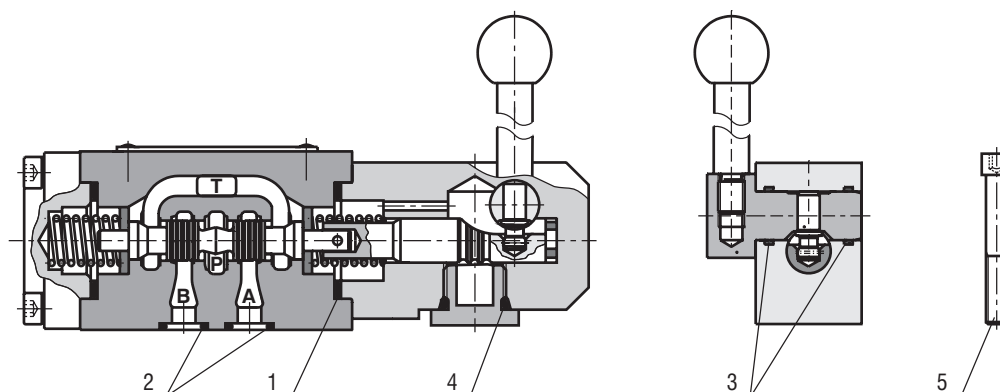
All dimensions are indicated in millimeters [mm].

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

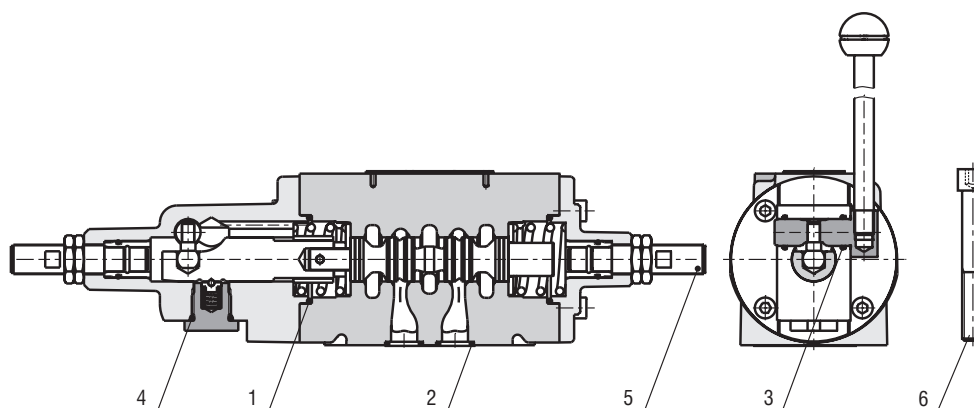


Position	RPR3-04													
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x2	2	2	Square ring 7.65x1.68	4	3	11x1.5	2	4	11.3x2.4	1	15673600
	FPM		22x2	2		O-ring 7.5x1.8	4		11x1.5	2		11.3x2.4	1	20897200
5	Bolt Kit	Pos.	Mounting bolts for steel plates				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
	FPM		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
	FPM		32x2	2		12.42x1.68	5		11x1.5	2		14x1.78	1	34635600
5	Model	Pos.					Pcs	Max. input voltage					Ordering No.	
Sensor	S1	5	normally-open sensor (210 bar)				1	10...30 VDC					18961900	
	S4		normally-closed sensor (210 bar)				1						31022300	
6	Bolt Kit				Pos.				Pcs					
Mounting bolts for steel plates					6	Bolt M6x45		4	for studs see Datasheet 0020					20239000

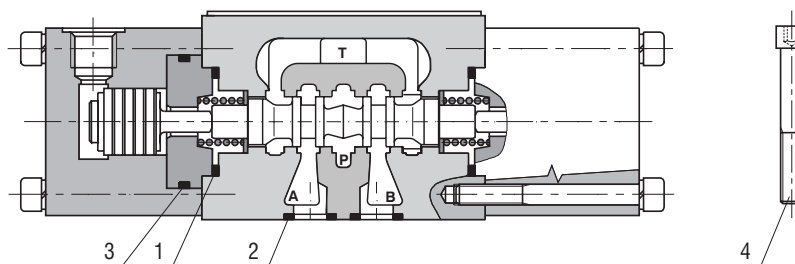
All dimensions are indicated in millimeters [mm].

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

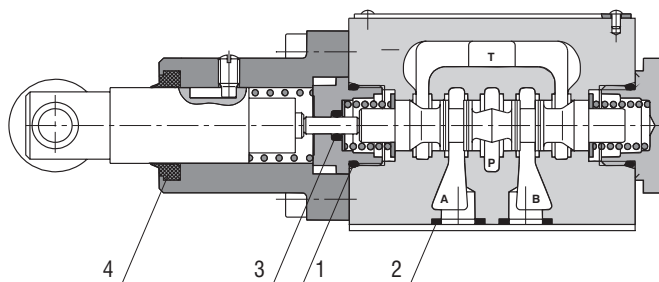


Position	RPH2-06										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x2	2	2	Square ring 9.25x1.68	4	3	28x2	2	20980500
	FPM		22x2	2		O-ring 9.25x1.78	4		28x2	2	20980600
4	Bolt Kit	Pos.						Pcs			Ordering No.
Mounting bolts for steel plates		4	Bolt M5x45					4			15845100
Position	RPH3-06										
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
4	Bolt Kit	Pos.						Pcs			Ordering No.
Mounting bolts for steel plates		4	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): **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		17.17x1.78	2		O-ring 9.25x1.78	4		3.68x1.78	1			1	34524700
5	Bolt Kit	Pos.	Mounting bolts for steel plates				Pcs							Ordering No.
		5	Bolt M5x45				4	for studs see Datasheet 0020					15845100	

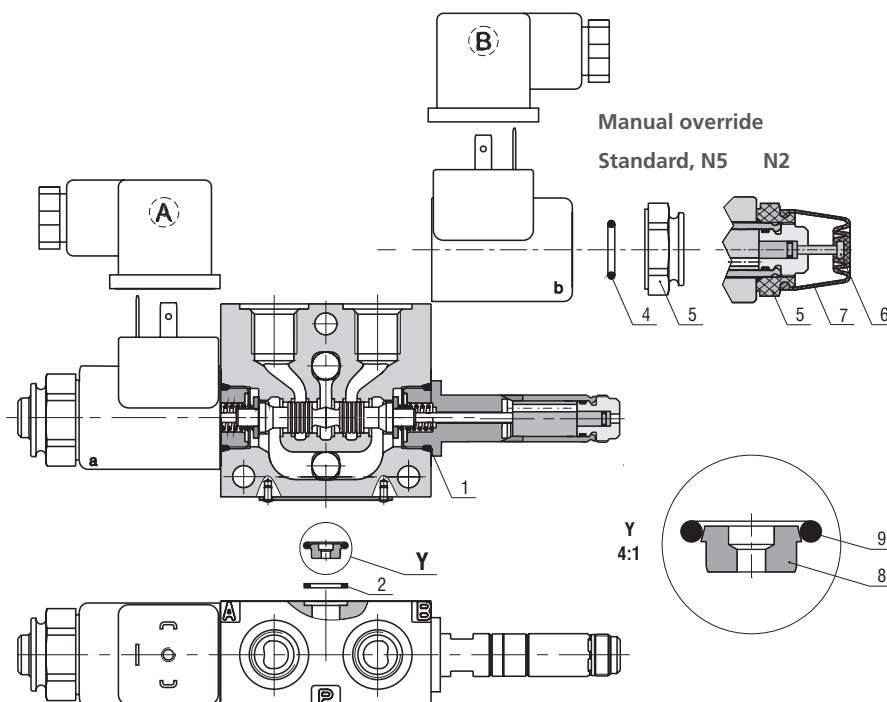
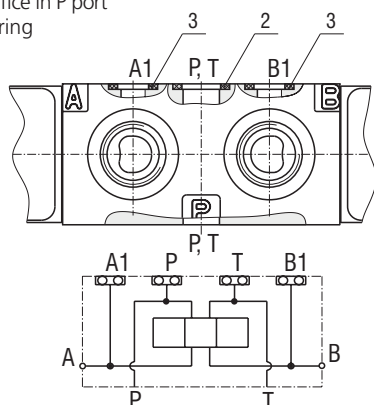
All dimensions are indicated in millimeters [mm].

1 Directional Control Valves and Poppet Valves

Product (Datasheet): **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	2	Square ring 9.25x1.68	2	3	Square ring 7.65x1.68	2	28839800
	FPM	1	16x2	2	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	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	9.25x1.78	1		15845600		
			Ø1.5	1					15845700		
			Ø2.0	1					15845800		
			Ø2.2	1					15846000		
			Ø2.5	1					15845900		

All dimensions are indicated in millimeters [mm].

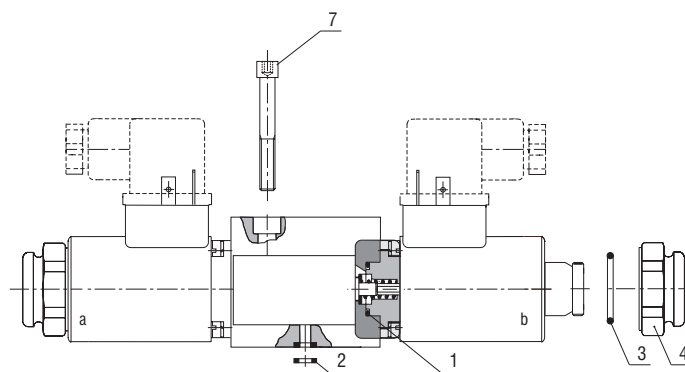
1 Directional Control Valves and Poppet Valves

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

Valve size 04

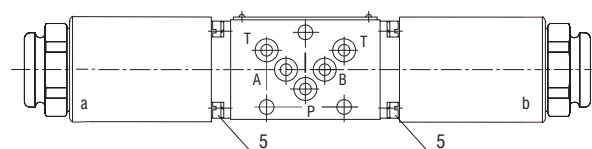
- 1 - O-ring
- 2 - Square ring (NBR)
- 3 - O-ring
- 4 - Retaining nut
- 5 - Bolts for mountage of flange
- 6 - Bolts for mountage of cover
- 7 - Mounting bolt

Valve with two solenoids
3-position valve



Mounting surface 2

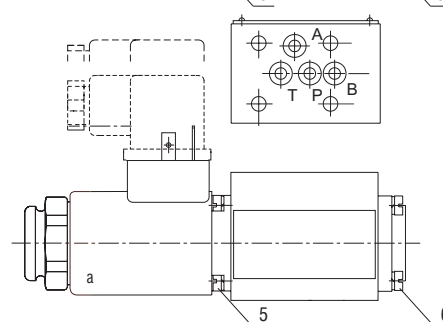
acc. to former CETOP-RP 121H



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 M5x35		7	for Mounting surface 2 or 3				4	for studs see Datasheet 0020		15874600

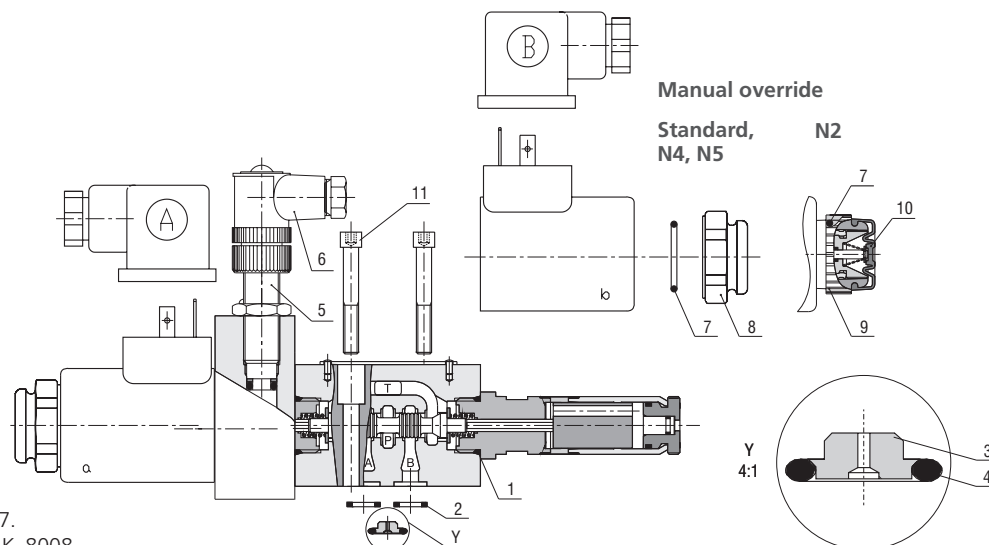
All dimensions are indicated in millimeters [mm].

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	10...30 VDC	18961900		
	S4	normally-closed sensor (210 bar)						1		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	

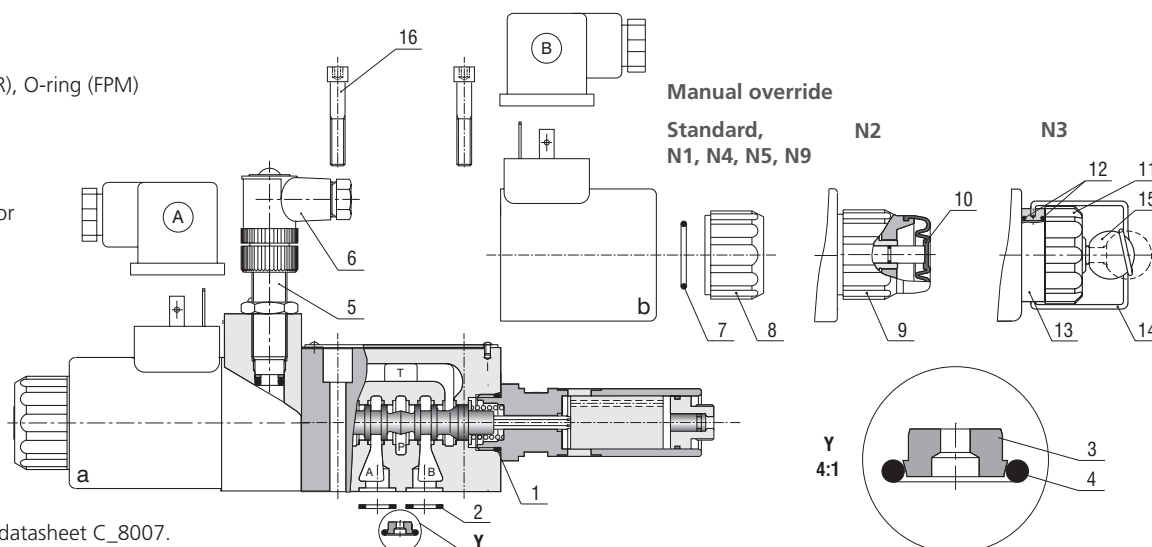
All dimensions are indicated in millimeters [mm].

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.		
Orifice in P port with NBR seal					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.		
Orifice in P port with FPM seal					3	Ø1.0	1	4	9.25x1.78	1			15845600		
						Ø1.5	1						15845700		
						Ø2.0	1						15845800		
						Ø2.2	1						15846000		
						Ø2.5	1						15845900		
Position			RPE3-06												
5			Model					Pos.		Pcs	Max. input voltage		Ordering No.		
Sensor			S1	normally-open sensor (210 bar)				5		1	10...30 VDC		18961900		
			S4	normally-closed sensor (210 bar)						1			31022300		
6								Pos.		Pcs	Max. input voltage		Ordering No.		
Connector			K02	connector of position sensor with LED				6		1	10...30 VDC		17364800		
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.		
			Standard, N4, N5, N9 N1		7	22x2	1	8	Plastic	1			15844600		
							1	8	Plastic	1			15844700		
7+9+10			Nut Kit		Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Pos.	Rubber boot	Pcs	Ordering No.	
			N2		7	22x2	1	9	Plastic	1	10		1	15844800	
11+12+13+14			Pos.	Retaining nut	Pcs	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Bracket	Pcs	Ordering No.
Nut Kit			11	Plastic	1	12	22x2	2	13	Steel	1	14	Steel	1	15844900
15			Pos.	Ball			Pcs							Ordering No.	
			15	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		

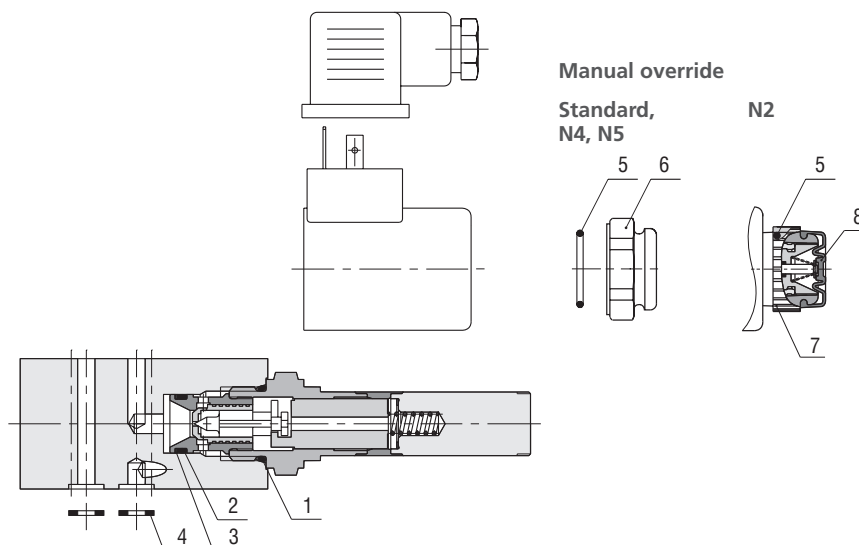
All dimensions are indicated in millimeters [mm].

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



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	1		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	-		-				20718400
size 06			9.25x1.68	4	-		-			15650300	
size 04	FPM	-	-	-	4	7.65x1.78	4				22502600
size 06		-	-	-	4	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].

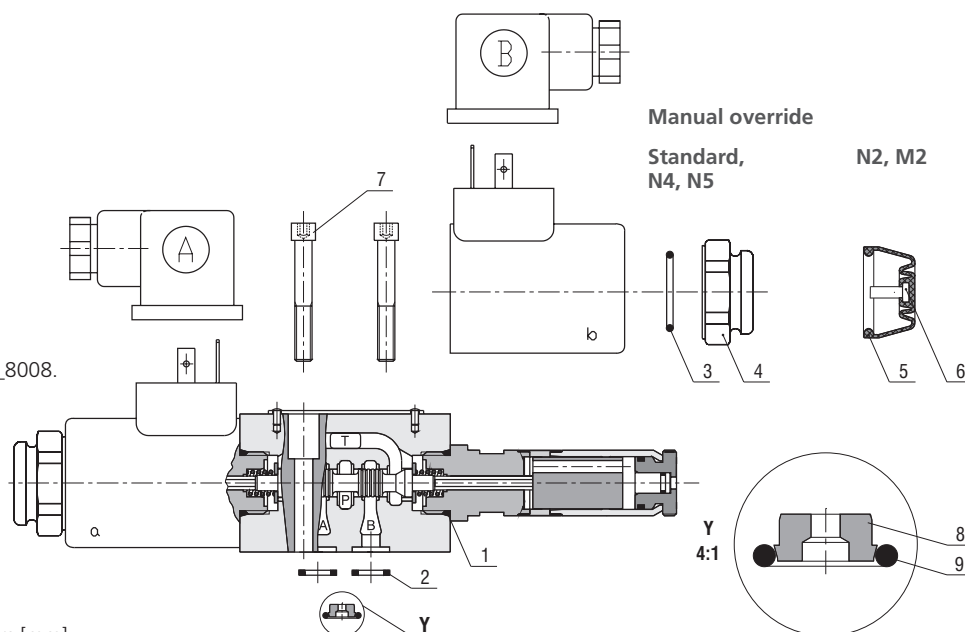
1 Directional Control Valves and Poppet Valves

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

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].

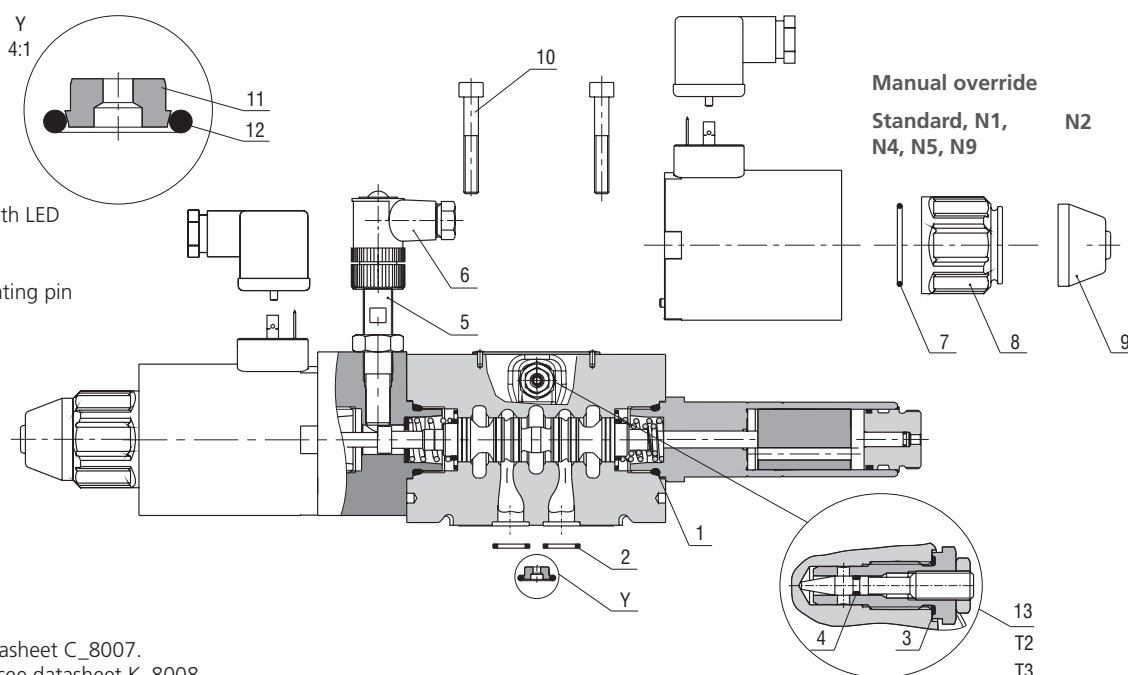
Position	RPEL1-04	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
1+2	Seal Kit							
	NBR	1	16x2	2	2	Square ring 7.65x1.68	4	15873800
	FPM	1	16x2	2	2	O-ring 7.5x1.8	4	15874400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
	Standard, N5	3	13x2	1	4	Plastic	1	15691500
5+6	Kit	Pos.	Rubber boot	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	Pos.	Orifice in P port	Pcs	Pos.	O-ring NBR	Pcs	Ordering No.
Orifice in P port with NBR seal		8	Ø0.8	1	9	7.65x1.78	1	15874000
			Ø1.0	1				15874100
			Ø1.2	1				15874200
			Ø1.5	1				15874300
			Ø0.7	1				15874900
8+9	Kit	Pos.	Orifice in P port	Pcs		O-ring FPM	Pcs	Ordering No.
Orifice in P port with FPM seal		8	Ø0.8	1	9	7.65x1.78	1	On request
			Ø1.0	1				
			Ø1.2	1				
			Ø1.5	1				
			Ø0.7	1				
Position	RPEL1-06	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
1+2	Seal Kit							
	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.
	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	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	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	9.25x1.78	1	15845600
			Ø1.5	1				15845700
			Ø2.0	1				15845800
			Ø2.2	1				15846000
			Ø2.5	1				15845900

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
- 9 - Rubber boot + Actuating pin
- 10 - Mounting bolt
- 11 - Orifice in P port
- 12 - O-ring
- 13 - Soft-shift spool speed control with seal



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

Position	RPE4-10, RPEW4-10													
1+2+3+4	Seal Kit	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	10x1	1	4	1.8x1	1	15901000
	FPM		23.47x2.62	2		12.42x1.68	5		10x1	1		1.8x1	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					normally-closed sensor (210 bar)								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, N1, N2, N4, N5, N9				7	30x2	1	8	Plastic	1				15900800
9	Kit				Pos.					Pcs <td colspan="3"></td> <td>Ordering No.</td>				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	Ø0.5	1	12	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	Ø0.5	1	12	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		adjustable needle valve in T line bridge					1					15901300	

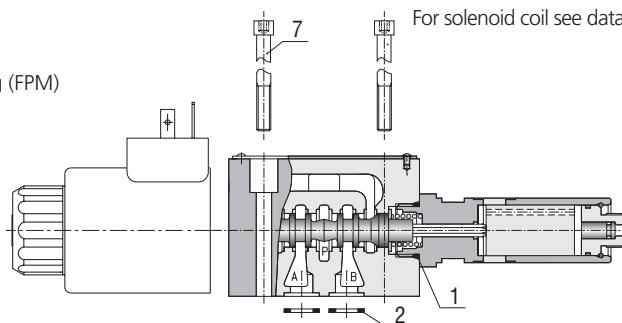
All dimensions are indicated in millimeters [mm].

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

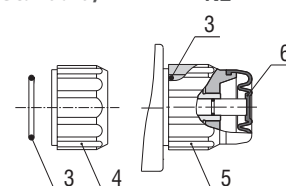


For solenoid coil see datasheet 8007. For electrical connector see datasheet 8008.

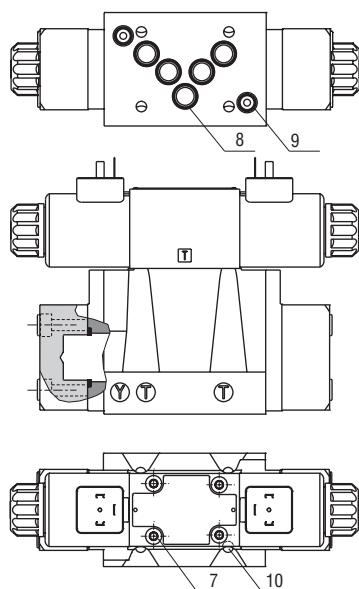
Manual override

Standard, N1

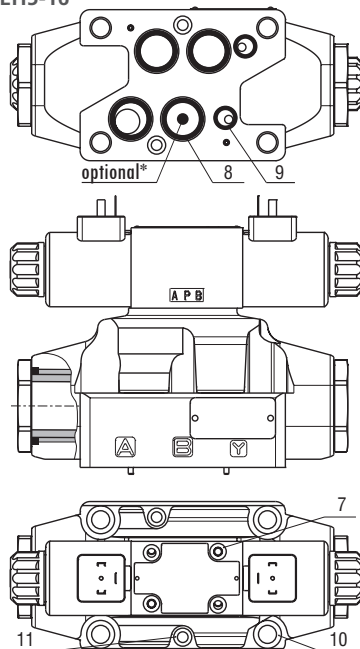
N2



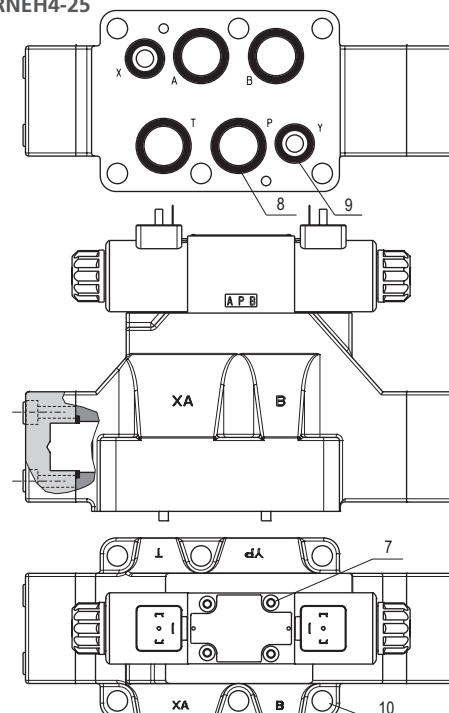
RNEH1-10



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		
	N1			1	4	Plastic	1			15844700		
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				
*Optional Backpressure Check valve C3										31950200		

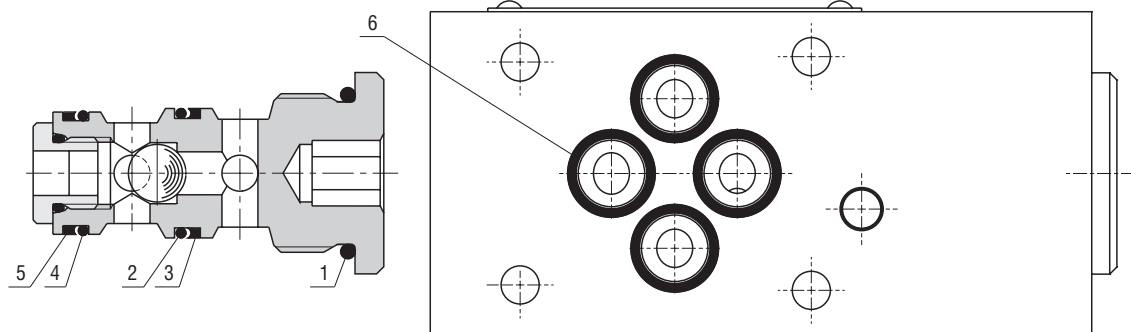
*Optional Backpressure Check valve C3

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)



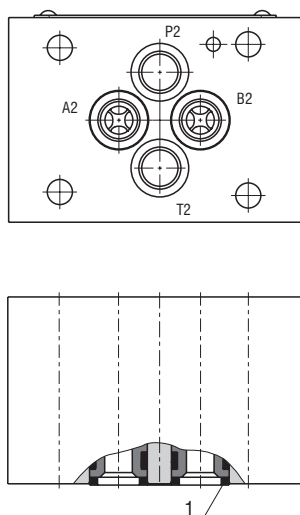
Pos.	LV1-043															
2+3	Seal Kit			Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs						Ordering No.	
	NBR			2	6x1	1	3	8.5x6.8x1	1						40110200	
	FPM				6x1	1		8.5x6.8x1	1						16755700	
Pos.	LV2-043															
2-5	Seal Kit			Pos.	O-ring	Pcs	Pos.	Back-up ring (PT)	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up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

Product (Datasheet): **MVJ3-06** (5018), **MVJ3-10** (5020)

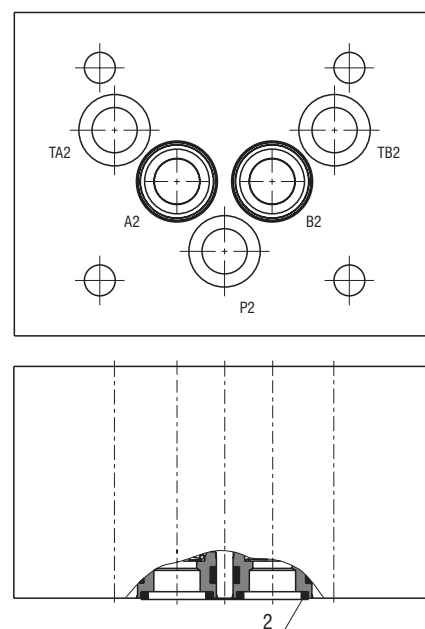
Valve size 06, 10

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

Valve size 06



Valve size 10



Position MVJ3-06					
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 MVJ3-10					
2	Seal Kit	Pos.	Square ring	Pcs	Ordering No.
	NBR	4	12.42x1.68	5	15991600
	FPM		12.42x1.68	5	40066700

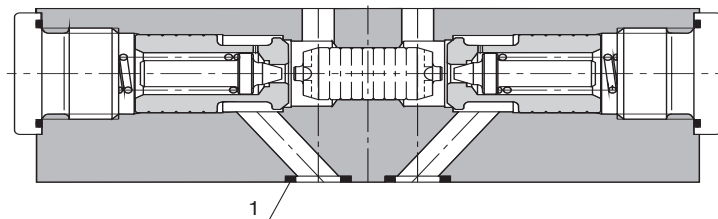
All dimensions are indicated in millimeters [mm].

2 Check Valves

Product (Datasheet): **VJR1-04/M (5023), VJR2-06/M (5024), 2RJV1-06/M (5021), VJR2-10/M (5025)**

Valve size 04, 06, 10

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

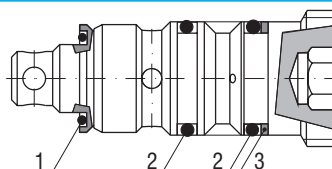


Position	VJR1-04/M					
1	Seal Kit	Pos.	Ring	Pcs		Ordering No.
	NBR		Square ring 7.65x1.68	4		20718400
	FPM		O-ring 7.65x1.78	4		22502600
Position	VJR2-06/M, 2RJV1-06/M					
1	Seal Kit	Pos.	Ring	Pcs		Ordering No.
	NBR		Square ring 9.25x1.68	4		15650300
	FPM		O-ring 9.25x1.78	4		22944700
Position	VJR2-10/M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



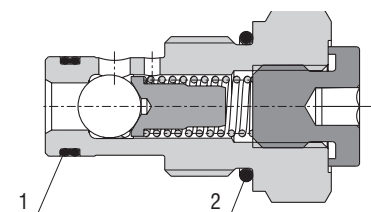
Position	RJV1-05										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	NBR	1	12.42x1.78	1	2	15.08x2.62	2	3	14.66x19.02x1.14 (NBR)	1	15969700
	FPM		12.42x1.78	1		15.54x2.62	2		14.66x19.02x1.14 (PT)	1	22806000

Product (Datasheet): **SC1F-A2 (5010), SC1F-B2 (5017), SC1F-C2 (5036), SC1F-A3 (5016), SH1F-A3 (5029), SC5H-BP3 (5037), SC5H-CP3 (5039)**

Cavity A2, B2, C2, A3

SC1F-A2
SC1F-B2
SC1F-C2
SC1F-A3

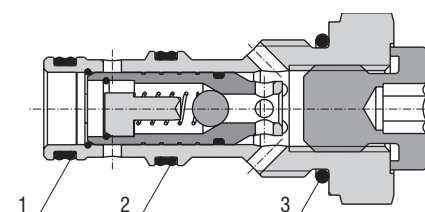
1 - O-ring
2 - Dualseal



Cavity A3, BP3, CP3

SH1F-A3
SC5H-BP3
SC5H-CP3

1 - Dualseal
2 - Dualseal
3 - O-ring



Position	SC1F-A2										
1+2	Seal Kit	Pos.	Dualeal 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
1+2	SC1F-B2										
	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
1+2	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
1+2	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.	Dualeal PU	Pcs	Pos.	Dualeal 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
1+2+3	SC5H-BP3										
	NBR	1	15.07x17.47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR70	1	40771600
	FPM		15.07x17.47x3.1	1		16.65x19.05x3.1	1		119.4x2.1 V80	1	40768400
1+2+3	SC5H-CP3										
	NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 NBR90	1	41676200
	FPM		19.62x22.22x3.8	1		21.2x23.8x3.8	1		24x2.5 V90	1	41676500

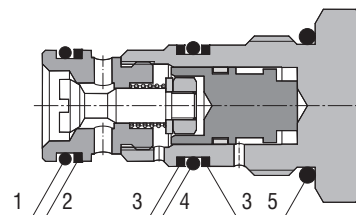
All dimensions are indicated in millimeters [mm].

2 Check Valves

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

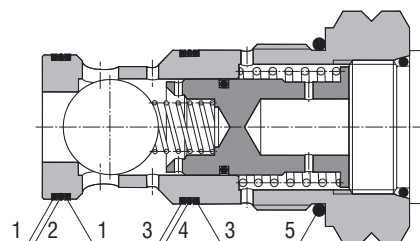


Position	SC5H-Q3/I, SC5H-R3/I, SC5H-S3/I																
1+2+3+4+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
		1		1	2		1	3		2	4		1	5		1	On request

Product (Datasheet): **SCC5H-Q3/I** (5221), **SCC5H-S3/I** (5222)

Cavity Q3, S3

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

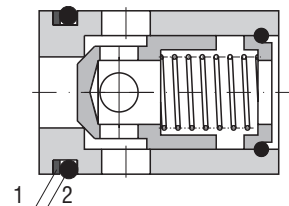


Position	SCC5H-Q3/I, SCC5H-S3/I																
1+2+3+4+5	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
		1		2	2		1	3		2	4		1	5		1	On request

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									Ordering No.
06	NBR	1	14.66x19.02x1.14	1	2	15.08x2.62	1									22701100
10			19.43x23.79x1.14			20x2.65										15954600
16			28.98x34.98x1.02			28x3.55										15954700
20			33.88x39.88x1.02			32.92x3.53										22701400

All dimensions are indicated in millimeters [mm].

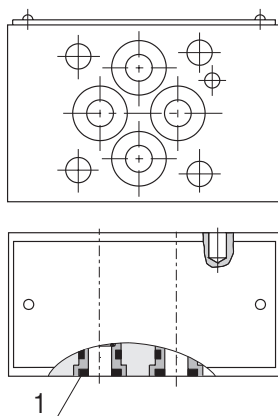
2 Check Valves

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)

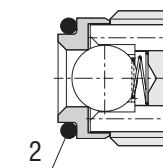


Valve size 06, 10

2 - O-ring

VJO1-06/S

VJO1-10/S



Position	VJO1-04/M					
1	Seal Kit		Pos.	Ring	Pcs	Ordering No.
	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
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

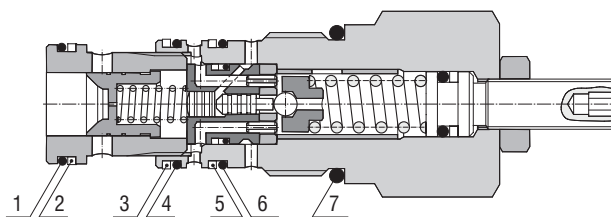
All dimensions are indicated in millimeters [mm].

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.
		1, 6, 7		3	2, 5		2	On request
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)

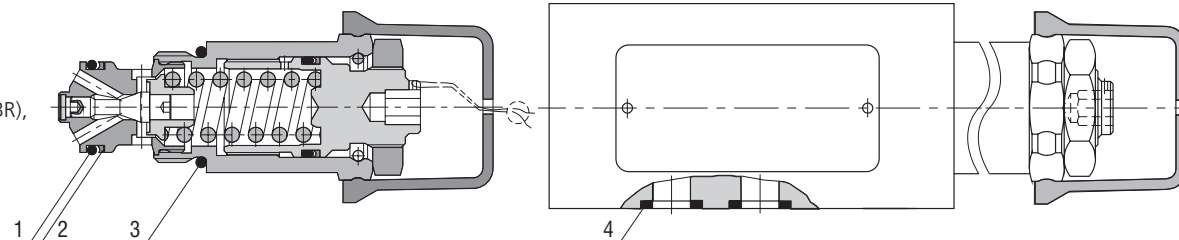
Valve size 04

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

Modular plate size 04, 06

VPP2-04/M(R)

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



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		
	FPM		14x1.78	1		14.73x17.43x1.14	1		19.4x2.1	1		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

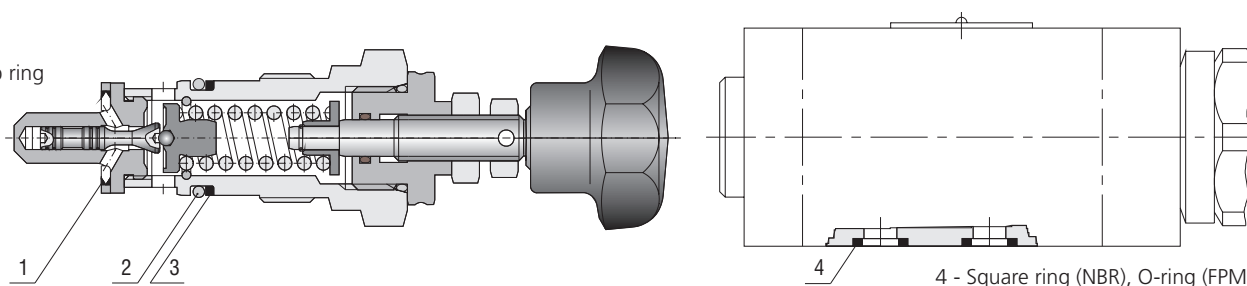
Product (Datasheet): **VPP2-06** (5062), **VPP2-06-SV/xx-CE1017** (5066)

Valve size 06

VPP2-06

VPP2-06*P

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



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		
	FPM		17.4x24x1.5	1		20.29x2.62	1		19.43x23.79x1.14	1		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

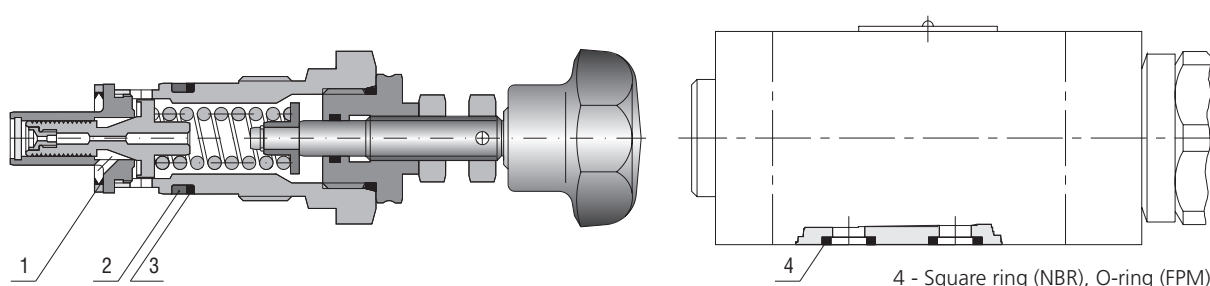
Product (Datasheet): **VPP1-06(08,10)** (5061)

Valve size 06, 08, 10

VPP1-06(08,10)

VPP1-06*P

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

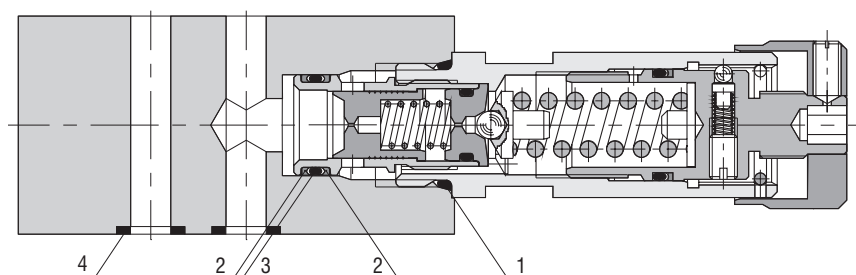


Pos.	VPP1-06													
1+2+3	Seal Kit	Pos.	U-seal	Pcs	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs		Ordering No.		
	NBR	1	17.4x24x1.5	1	2	20x2.65	1	3	19.43x23.79x1.14	1		16757100		
	FPM		17.4x24x1.5	1		20.29x2.62	1		19.43x23.79x1.14	1		40112100		
Pos.	VPP1-08, 10													
1+2+3	Seal Kit	Pos.	U-seal	Pcs	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													
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													
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** (5161), **VPN1-06/M(R)** (5160)

Valve size 06

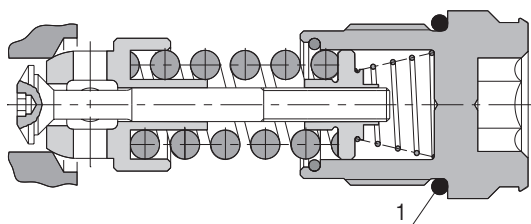
- 1 - O-ring
 2 - Back-up ring
 3 - O-ring
 4 - Square ring (NBR), O-ring (FPM)



Pos. VPN1-06										
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	O-ring	Pcs
	NBR	1	19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78	1
	FPM	1	19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78	1
Pos. VPN1-06/M(R)										
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		

Product (Datasheet): **DBV3** (5092)

- 1 - O-ring



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

All dimensions are indicated in millimeters [mm].

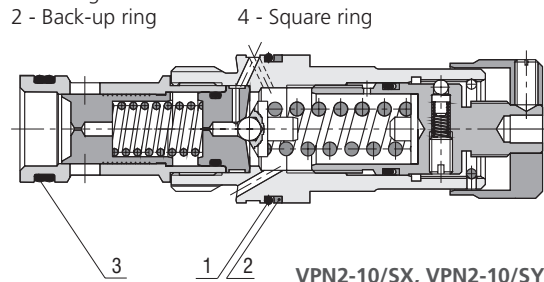
3 Pressure Control Valves

Product (Datasheet): **VPN2-10/S (5163), VPN2-10/M(R) (5164)**

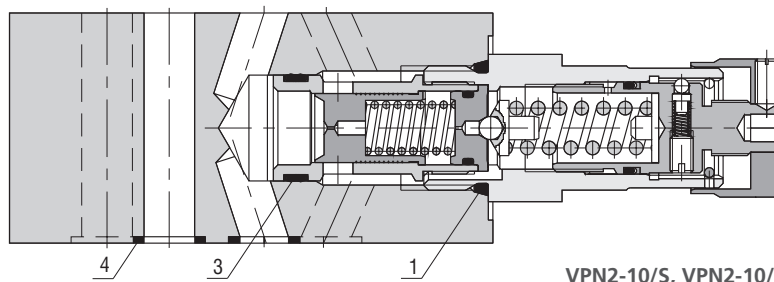
Valve size 10

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

- 3 - Dualseal
4 - Square ring



VPN2-10/SX, VPN2-10/SY



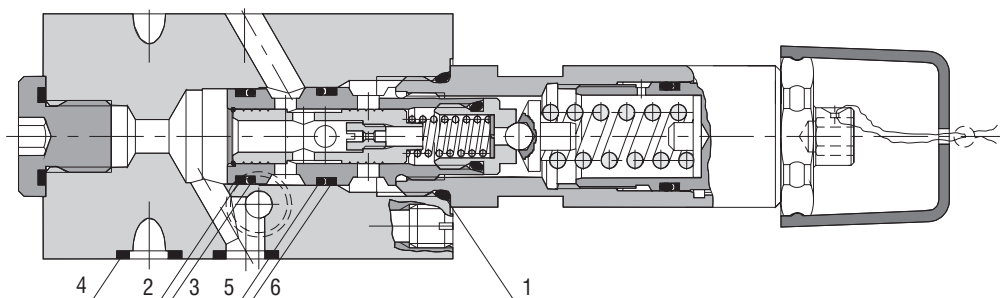
VPN2-10/S, VPN2-10/M

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			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
	NBR	1	28.3x1.78	1	2	29.03x31.73x1.14	1	3	19.6x23x4.4
	FPM		28.3x1.78	1		29.03x31.73x1.14	1		19.6x23x4.4
Pos. VPN2-10/M									
4	Seal Kit					Pos.	Square ring	Pcs	Ordering No.
	NBR					4	12.42x1.68	5	15991600
	FPM						12.42x1.68	5	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
	NBR	1	19.4x2.1	1	2	14.73x17.43x1.14	2	3	14x1.78
	FPM		19.4x2.1	1		14.73x17.43x1.14	2		14x1.78
Pos. VRN2-06/M									
4	Seal Kit				Pos.	Kroužek	Pcs		Ordering No.
	NBR				4	Square ring 9.25x1.68	4		15650300
	FPM					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
	NBR	1	23.47x2.95	1	2	17.91x20.61x1.14	1	3	17x1.8
	NBR				5	19.51x22.21x1.14	1	6	18.77x1.78
	FPM	1	23.47x2.95	1	2	17.91x20.61x1.14	1	3	17.17x1.78
	FPM				5	19.51x22.21x1.14	1	6	18.77x1.78
Pos. VRN2-10/M									
4	Seal Kit				Pos.	Square ring	Pcs		Ordering No.
	NBR				4	12.42x1.68	5		15991600
	FPM					12.42x1.68	5		40066700

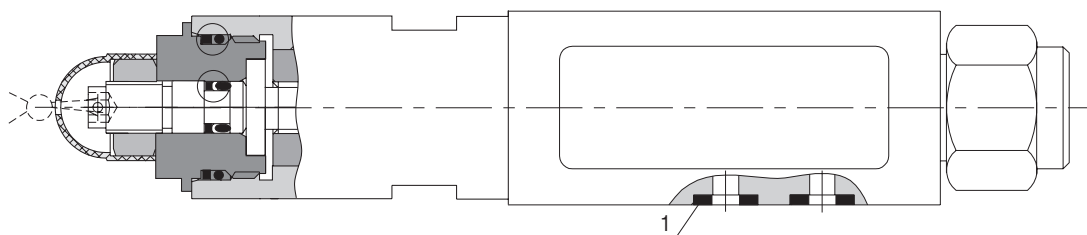
All dimensions are indicated in millimeters [mm].

3 Pressure Control Valves

Product (Datasheet): **VRP2-04 (5142), VRP2-06 (5145)**

Valve size 04, 06

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

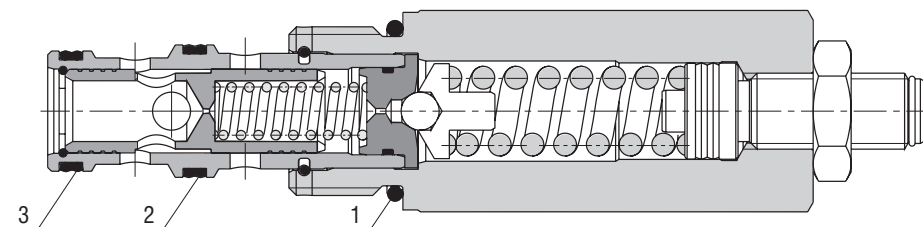


Position	VRP2-04					
1	Seal Kit		Pos.	Ring	Pcs	Ordering No.
	NBR		1	Square ring 7.65x1.68	4	20718400
	FPM			O-ring 7.65x1.78	4	22502600
Position	VRP2-06					
1	Seal Kit		Pos.	Ring	Pcs	Ordering No.
	NBR		1	Square ring 9.25x1.68	4	15650300
	FPM			O-ring 9.25x1.78	4	22944700

Product (Datasheet): **SS4A-A3 (5049), SP2A-A3 (5143), SP2A-B3 (5146), SP4A-B3 (5144)**

Cavity A3, B3

1 - O-ring
2, 3 Dualseal

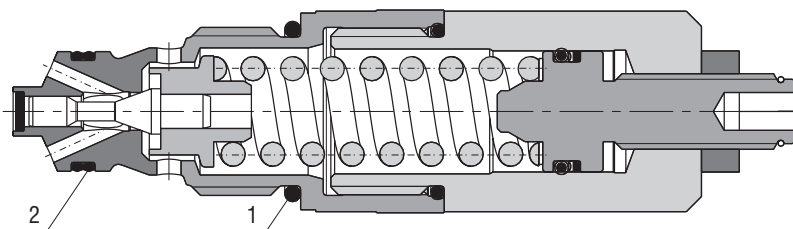


Position		SS4A-A3, SP2A-A3									
1+2+3	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	11.87x14.27x3.1	1	1	17x1.8	1	-	-	-	15661700
		2	13.47x15.87x3.1	1							
	FPM	3	11.87x14.27x3.1	1	-	-	-	1	17.17x1.78	1	20777200
		2	13.47x15.87x3.1	1							
Position		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							

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

Cavity A3, B3

1 - O-ring
2 - Dualseal



Position		SR1A-A2									
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		SR1A-B2, SR1A-B2*CE1017, SR4A-B2, SR4E2-B2									
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

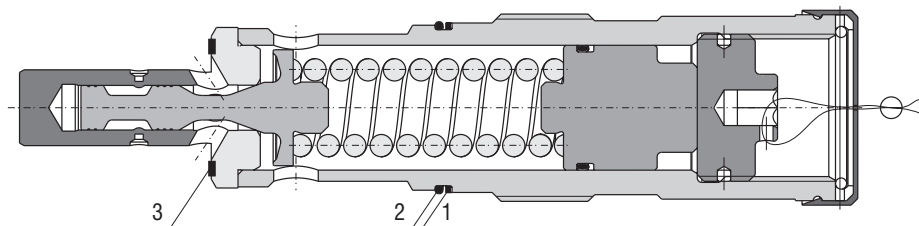
All dimensions are indicated in millimeters [mm].

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

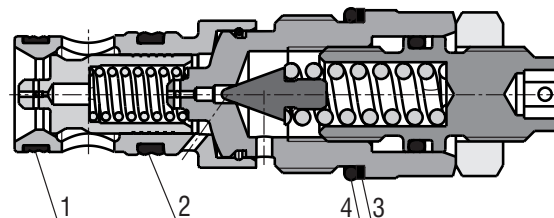
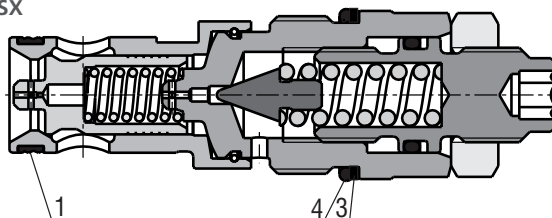


Position	VPP-R-16										
1+2	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring NBR	Pcs			Ordering No.	
	NBR	1	27.38x33.38x1.0 (PT)	1	2	26.57x3.53	1			34158400	
	FPM			1			1			On request	
Position	VPP-R-25										
1+2	Seal Kit	Pos.	Back-up ring	Pcs	Pos.	O-ring NBR	Pcs			Ordering No.	
	NBR	1	35.38x38.08x1.14	1	2	34.65x1.78	1			40124600	
	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	3	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)													
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	

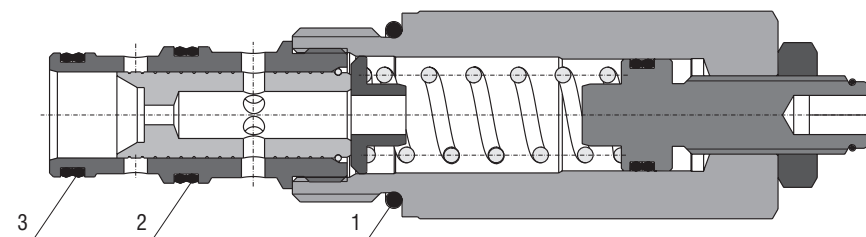
All dimensions are indicated in millimeters [mm].

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 - Dualseal
- 3 - Dualseal

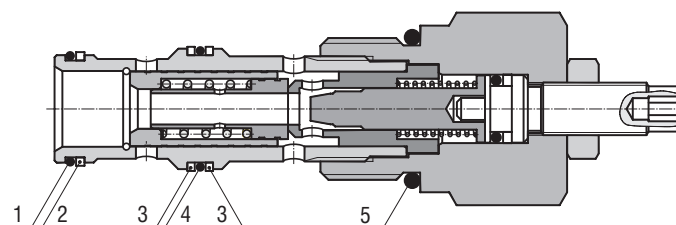


Position SF22A-A2/H, ST2C1A-A2											
1+3	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	Ordering No.
	NBR	3	10.3x12.7x3.1	1	1	17x1.8	1	-	-	-	20776700
	FPM	3	10.3x12.7x3.1	1	-	-	-	1	17.17x1.78	1	17014300
Position SF22A-B2/H, ST21A-B2											
1+3	Seal Kit	Pos.	Dualseal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

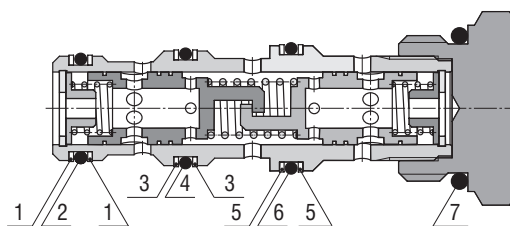


Position SF2C2A-K2/I											
1+2+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs				Ordering No.
		1, 5		1	2		1				On request
Position SF32A-K3/I											
1+2+3+4+5	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
		1, 4, 5		1	2		1	3		2	On request

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											
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!

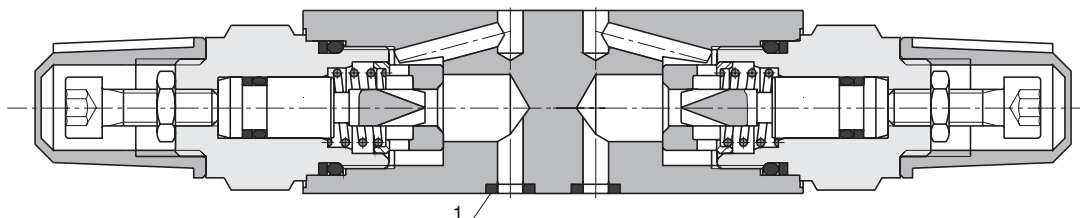
Product (Datasheet): **VSO1-04/M** (5053)

Product (Datasheet): **2VVS3-06** (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)

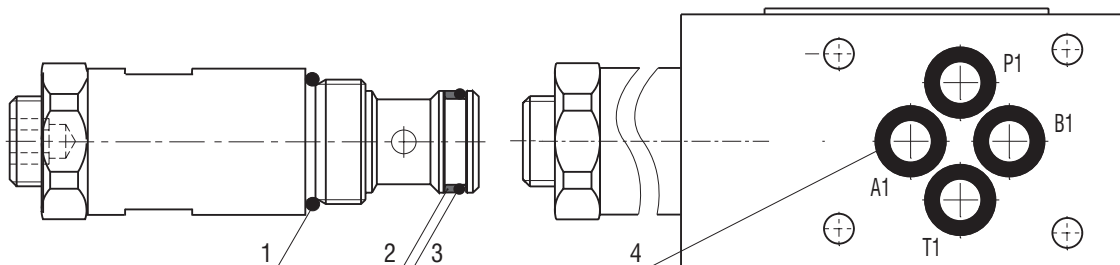


Position	VSO1-04/M				
1	Seal Kit	Pos.	Ring	Pcs	Ordering No.
	NBR	1	Square ring 7.65x1.68	4	20718400
	FPM		O-ring 7.65x1.78	4	22502600
Position	2VVS3-06, VSS1-206, VSS1-306, VSS2-206				
1	Seal Kit	Pos.	Ring	Pcs	Ordering No.
	NBR	1	Square ring 9.25x1.68	4	15650300
	FPM		O-ring 9.25x1.78	4	22944700
Position	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												
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

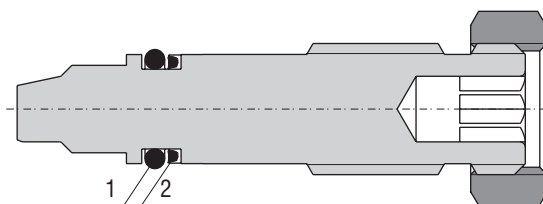
All dimensions are indicated in millimeters [mm].

4 Flow Control Valves

Product (Datasheet): **VSV2 (5132)**

Cavity QC2

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



Pos.	VSV2-1, VSV2-J1, VSV2-J2							
1, 2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Back-up ring	Pcs	Ordering No.
	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

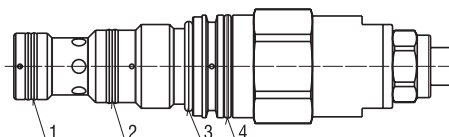


Pos.	SO5A-BP3													
1-3	Seal Kit	Pos.	Dual-Seal PU	Pcs	Pos.	Dual-Seal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	15.07x17x47x3.1	1	2	16.65x19.05x3.1	1	3	19.4x2.1 NBR70	1				40771600
	FPM		15.07x17x47x3.1	1		16.65x19.05x3.1	1		19.4x2.1 V80	1				40768400
1-3	SO5A-CP3													
	NBR	1	19.62x22.22x3.8	1	2	21.2x23.8x3.8	1	3	24x2.5 NBR90	1				41676200
	FPM		19.62x22.22x3.8	1		21.2x23.8x3.8	1		24x2.5 V90	1				41676500
1-4	SOB5A-BP3 (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		15.07x17x47x3.1	1		16.65x19.05x3.1	1		19.4x2.1 V80	1		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		19.62x22.22x3.8	1		21.2x23.8x3.8	1		24x2.5 V90	1		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													
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		15.07x17x47x3.1	1		16.65x19.05x3.1	1		19.4x2.1 V80	1		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		19.62x22.22x3.8	1		21.2x23.8x3.8	1		24x2.5 V90	1		28.3x1.78 V80	1	41676800

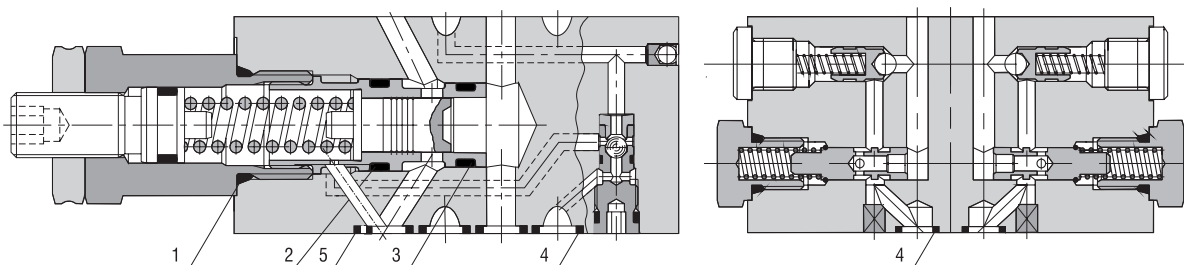
All dimensions are indicated in millimeters [mm].

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

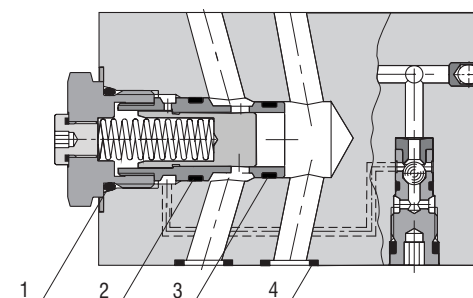
- 1 - O-ring
- 2 - Dualseal
- 3 - Dualseal
- 4 - Square ring
- 5 - O-ring



Pos.	TV2-063/S													
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dualseal PU	Pcs	Pos.	Dualseal PU	Pcs		Ordering No.		
	NBR	1	18x2	1	2	14.6x17x3.4	1	3	13.1x15.5x3.4	1		40125600		
	FPM		18x2	1			14.6x17x3.4		1		13.1x15.5x3.4	1		34312500
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											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											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

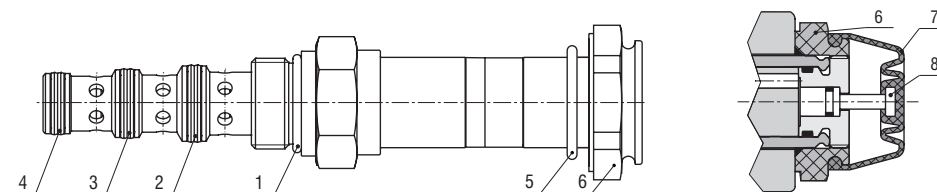


Pos.	TV2-102/S, TV2-103/S													
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dualseal PU	Pcs	Pos.	Dualseal PU	Pcs		Ordering No.		
	NBR	1	23.47x2.95	1	2	20.6x23x3.4	1	3	18.6x21x3.6	1		16755901		
	FPM		23.47x2.95	1		20.6x23x3.4	1		18.6x21x3.6	1		40125900		
Pos.	TV2-102/M, TV2-103/M													
4	Seal Kit										Pos.	Square ring	Pcs	Ordering No.
	NBR										4	12.42x1.68	5	15991600
	FPM											12.42x1.68	5	40066700

Product (Datasheet): **SD2P-B4 (5149)**

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	SD2P-B4/H										Ordering No.
1+2+3+4	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring NBR	Pcs	Pos.	O-ring Viton - FPM	Pcs	
	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							
	FPM	4	13.47x15.87x3.1	1	-	-	-	1	19.4x2.1	1	18960900
		3	15.07x17.47x3.1	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

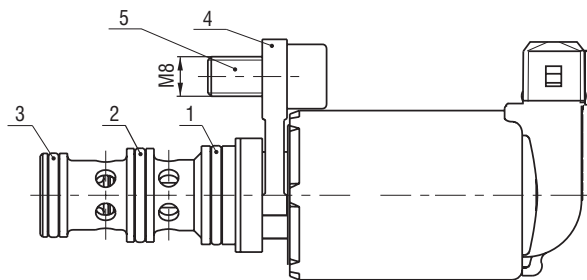
All dimensions are indicated in millimeters [mm].

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)

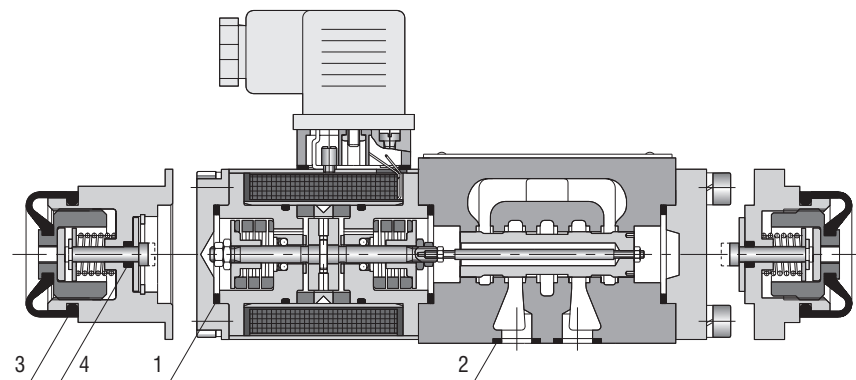


Position PP2P1-W3, PP2P3-W3											
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	16961300
	FPM	3	14x1.78	1	2	16x1.8	1	1	17x1.8	1	On request
4+5	Kit - Fork+Bolt M8	Pos.		Pcs	Pos.		Pcs				Ordering No.
		4	Fork SLIP-IN M8	1	5	Bolt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

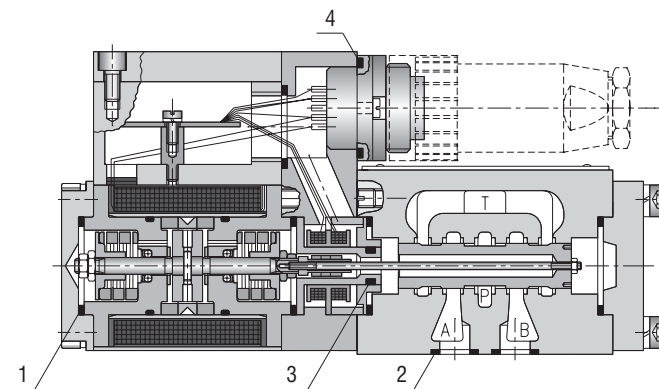


Position PRL1* without manual override											
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs				Ordering No.
	NBR	1	22x2	3	2	Square ring 9.25x1.68	4				23043600
	FPM	1		3	2		4				On request
Position PRL1*N											
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	Manual override	Pcs	Ordering No.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

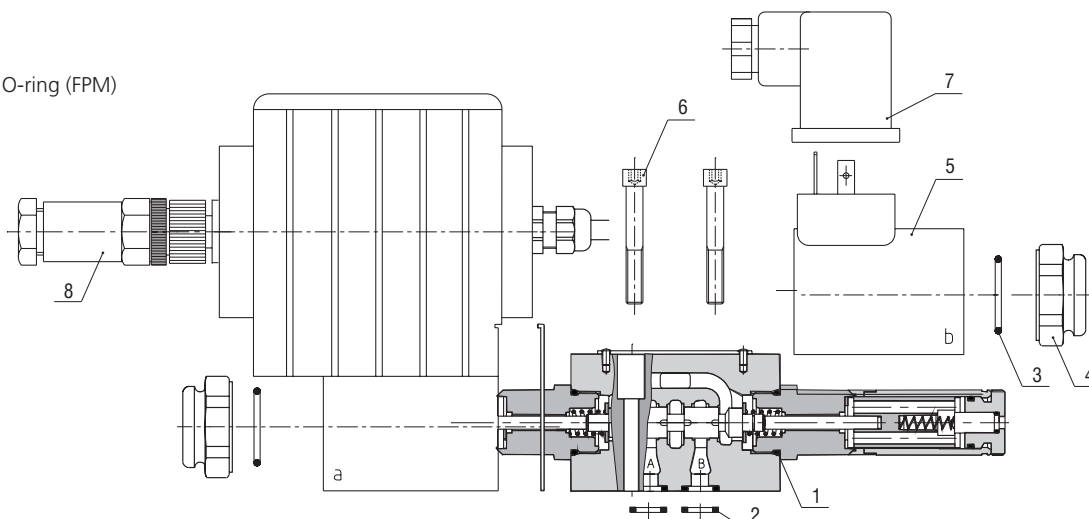
Position PRL2* without manual override											
1+2+3+4	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x2	4	2	Square ring 9.25x1.68	4	3	6x2	1	23043900
	FPM	1		4	2		4	3		1	On request

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
- 5 - Solenoid coil
- 6 - Mounting bolt
- 7, 8 - Connector



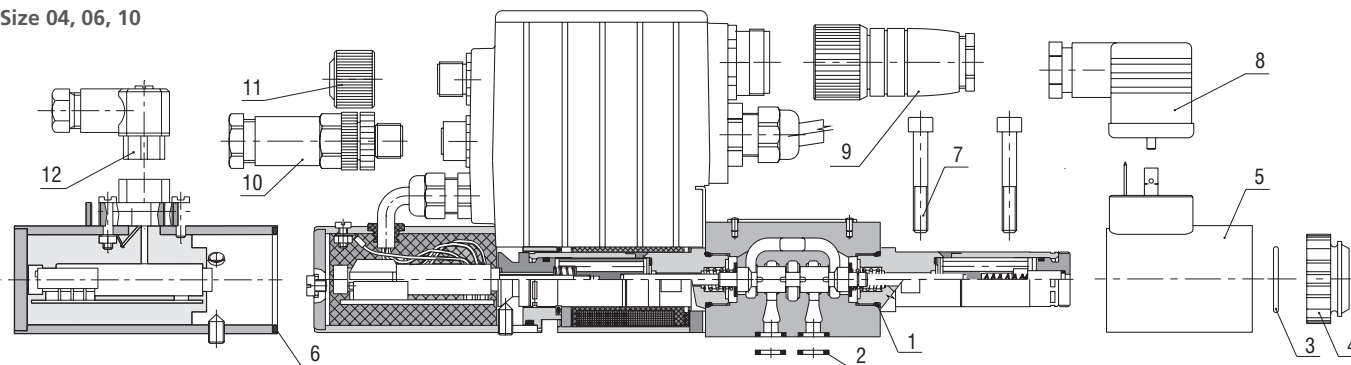
Position	PRM2-04								
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring		Pcs	Ordering No.
	NBR	1	16x2	2	2	Square ring 7.65x1.68		4	15873800
	FPM		16x2	2		O-ring 7.5x1.8		4	15874400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
		3	18x1.5	1	4	Plastic		1	15874500
5	Solenoid Coil Kit	Pos.						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	Bolt 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.
		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					1	16196200
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
5 - Solenoid coil
6 - Mounting bolt
8, 9, 10 - Connector
11 - Cover of connector
12 - Connector

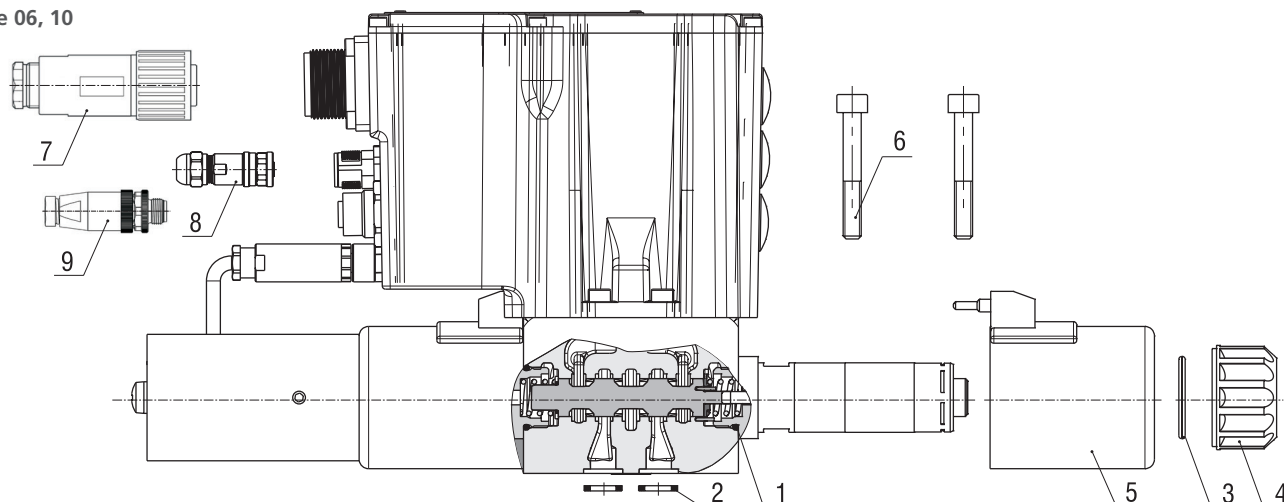
All dimensions are indicated in millimeters [mm].

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
		5	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
		5	Nominal supply voltage 12 V (1.6 A) for 12 V electronic unit integrated				1	16187500
		5	Nominal supply voltage 24 V				1	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
		5	Nominal supply voltage 24 V				1	16196200
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
 5 - Solenoid coil
 6 - Mounting bolt
 7, 8, 9 - Connector

All dimensions are indicated in millimeters [mm].

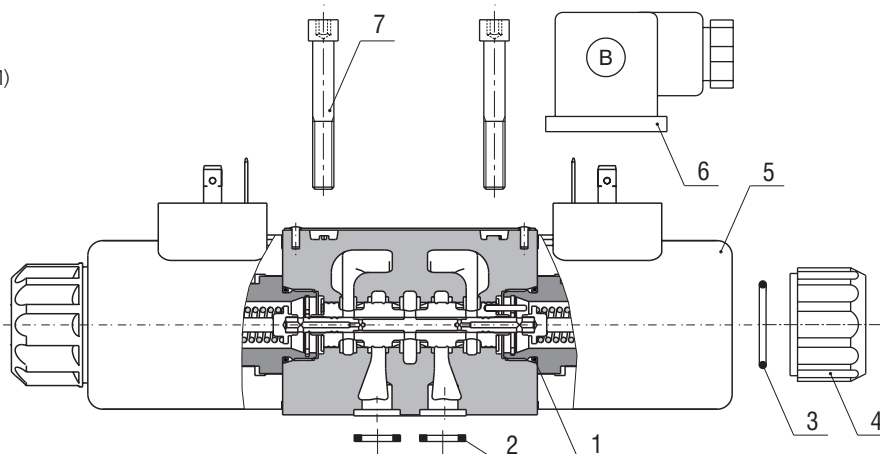
Position PRM9-06									
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring		Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68		4	15845200
	FPM		17.17x1.78	2		O-ring 9.25x1.78		4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut		Pcs	Ordering No.
		3	22x2	1	4	Plastic		1	15844600
5	Solenoid Coil Kit	Pos.						Pcs	Ordering No.
		5	Nominal supply voltage 24 V					1	31800900
6	Bolt Kit	Pos.	Mounting bolt					Pcs	Ordering No.
		6	M5x45					4	15845100
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		23.47x2.62	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 24 V					1	32083700
6	Bolt Kit	Pos.	Mounting bolt					Pcs	Ordering No.
		6	M6x40					4	15847700
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
9	Connector	Pos.						Pcs	Ordering No.
		9	M12x1-5PIN-FEMALE-FEEDBACK - socket (5-pol, A-Code), external feedback (optional)					1	31614900

6 Proportional Valves

Product (Datasheet): **PRM8-06 (5178)**

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

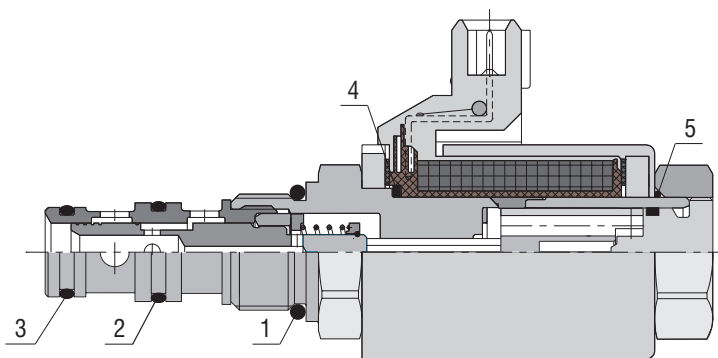


Position	PRM8-06							
1+2	Seal Kit	Pos.	O-ring	Pcs	Pos.	Ring	Pcs	Ordering No.
	NBR	1	17x1.8	2	2	Square ring 9.25x1.68	4	15845200
	FPM		17.17x1.78	2		O-ring 9.25x1.78	4	15845400
3+4	Nut Kit	Pos.	O-ring	Pcs	Pos.	Retaining nut	Pcs	Ordering No.
		3	22x2	1	4	Plastic	1	15844600
5	Solenoid coil		E1		E3A	E12	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.
	to EN 175301-803	6	Maximum input voltage 250 V AC/DC		Connector plug	G gray	1	16202200
						B black	1	16202100
7	Bolt Kit	Pos.	Mounting bolt				Pcs	Ordering No.
		7	M5x30				4	40101700

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.	O-ring	Pcs	Ordering No.
	NBR	1	18x2	1	2	14x1.78	1	3	12.42x1.78	1	4	20x2	1	5	18x1.5	1	23128400
	FPM		18x2	1		14x1.78	1		12.42x1.78	1		20x2	1		18x1.5	1	16030500
Position	PVRM3-10																
1 - 5	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	22x1.5	1	2	17x1.8	1	3	15x1.8	1	4	20.3x2.4	1	5	22x2	1	23128500
	FPM		22x1.5	1		17.17x1.78	1		14x1.78	1		20.3x2.4	1		22x2	1	40102800

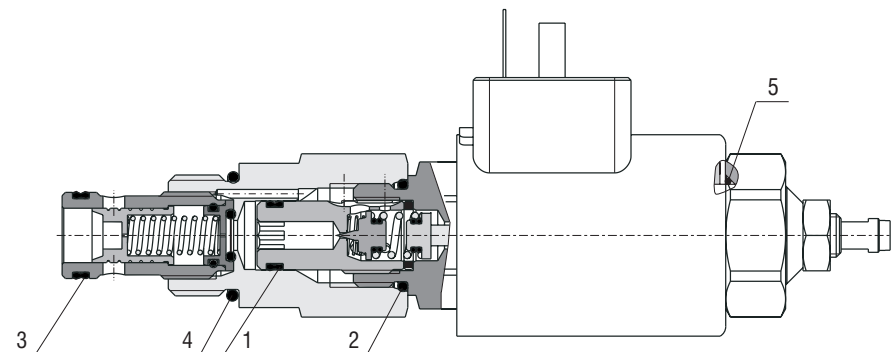
All dimensions are indicated in millimeters [mm].

6 Proportional Valves

Product (Datasheet): **SR1P2-A2 (5122), SR4P2-B2 (5117), SRN1P1-A2 (5137), SRN4P1-B2 (5138)**

Cavity A2, B2

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

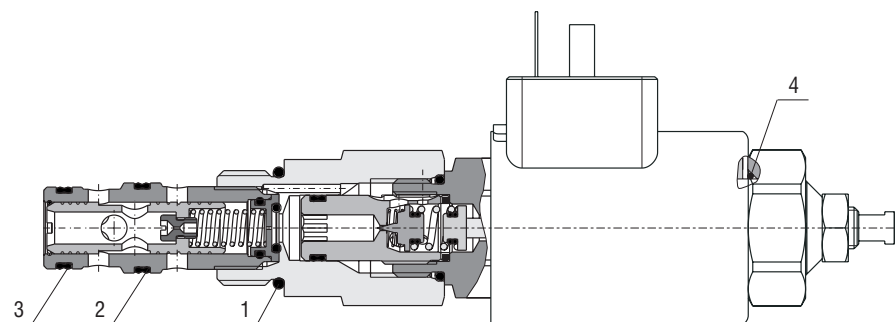


Position	SR1P2-A2, SRN1P1-A2										
1+2+5	Seal Kit	Pos.	Dualseal PU	Pcs	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs	Ordering No.
	NBR	1	10.3x12.7x3.1	1	2	17.17x1.78	1	5	18x1.5	1	40102100
	FPM		10.3x12.7x3.1	1		17.17x1.78	1		18x1.5	1	40102000
Position	SR4P2-B2, SRN4P1-B2										
3+4+5	Seal kit	Pos.	Dualseal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

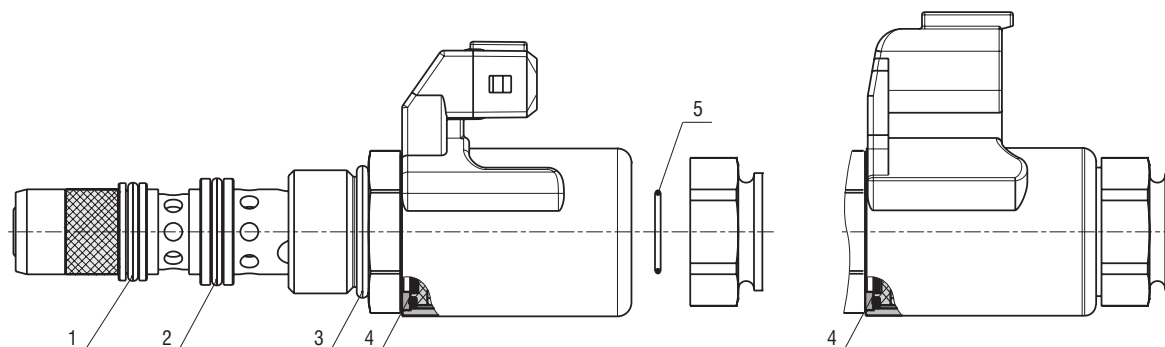


Position	SP4P2-B3, SPN4P1-B3													
1+2+3	Seal Kit	Pos.	O-ring	Pcs	Pos.	Dualseal PU	Pcs	Pos.	Dualseal PU	Pcs			Ordering No.	
	NBR	1	19.4x2.1	1	2	15.07x17.47x3.1	1	3	13.47x15.87x3.1	1			18960700	
	FPM		19.4x2.1	1		15.07x17.47x3.1	1		13.47x15.87x3.1	1			18960600	
4	Seal										Pos.	O-ring	Pcs	Ordering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



Position	SP4P1-B4																
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].

7 Explosion Proof Valves (ATEX/IECEX)

Product (Datasheet):	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)
Screw-in Style	

Product (Datasheet):	RPEX3-06 (4054), RPERX3-06 (4095), RPEX3-06*S6 (4094), PRMX2-06 (5183), PRMX8-06 (5185)
Modular Style	

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	33053300	
2	Seal	O-ring	Pcs	Ordering No.	
	MVQ (Silikon)	46x2	1	34950700	

Screw-in Style

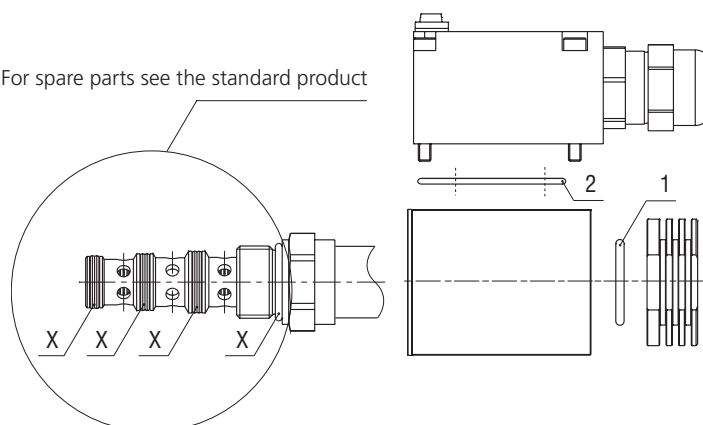
For other spare parts see the standard product
(for search of exact page use the Content)

Explosion proof	Standard product	Section
SD1EX-A2	SD1E-A2	1
SD1EX-A3	SD1E-A3	
SD2EX-B3	SD2E-B3	
SD2EX-B4	SD2E-B4	
SD3EX-B2	SD3E-B2	
SD3EX-C2	SD3E-C2	

SD2PX-B4	SD2P-B4	6
PVRMX3-103	PVRM3-103	

- 1 - O-ring
2 - O-ring

For spare parts see the standard product



Modular Style

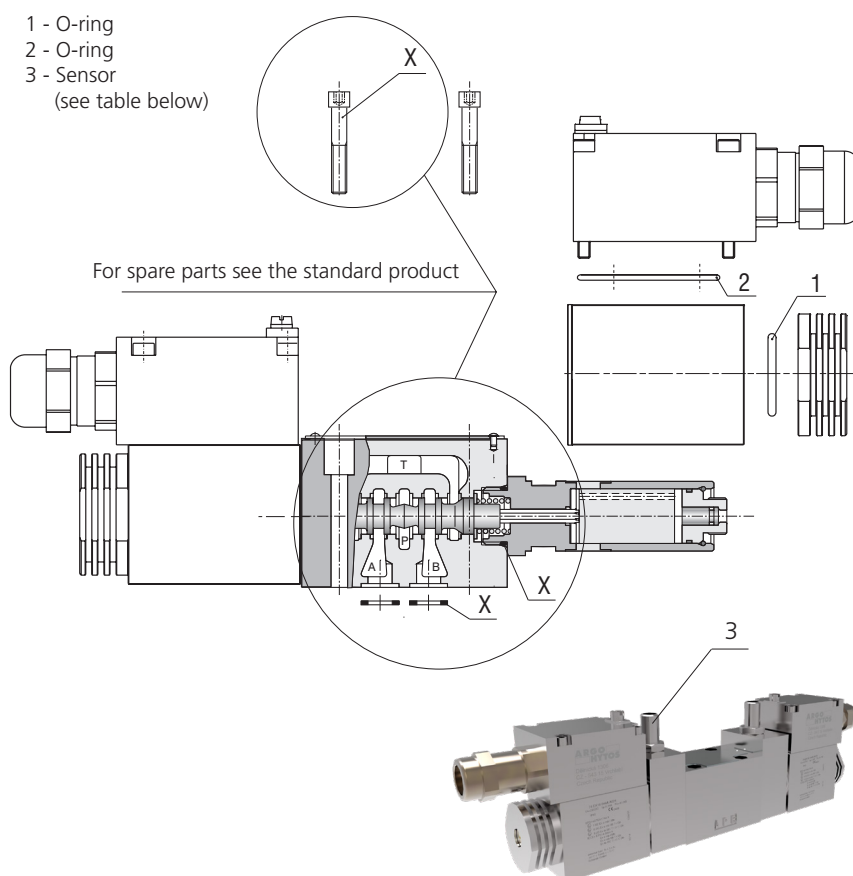
For other spare parts see the standard product
(for search of exact page use the Content)

Explosion proof	Standard product	Section
RPEX3-06	RPE3-06	1
RPERX3-06	RPER3-06	
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

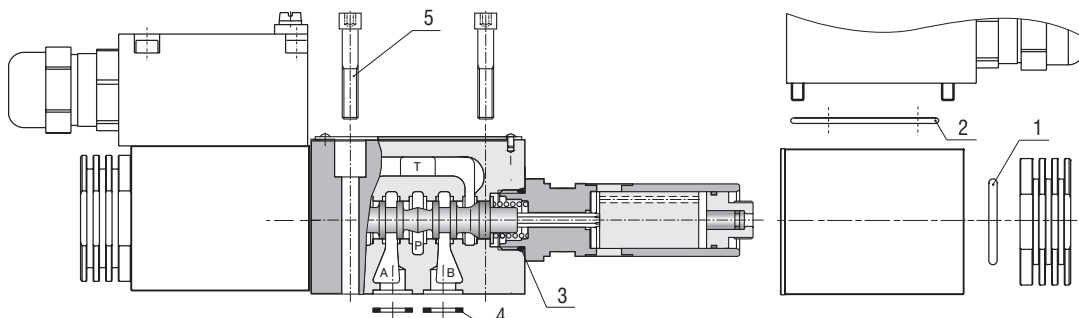
All dimensions are indicated in millimeters [mm].

7 Explosion Proof Valves (ATEX/IECEx)

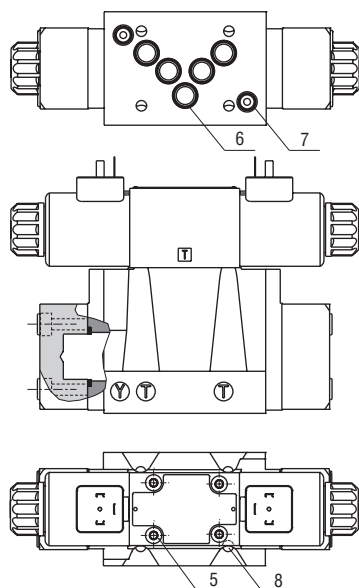
Product (Datasheet): **RNEXH1-10** (4077), **RNEXH5-16** (4058), **RNEXH4-25** (4059)

RPEX3-06

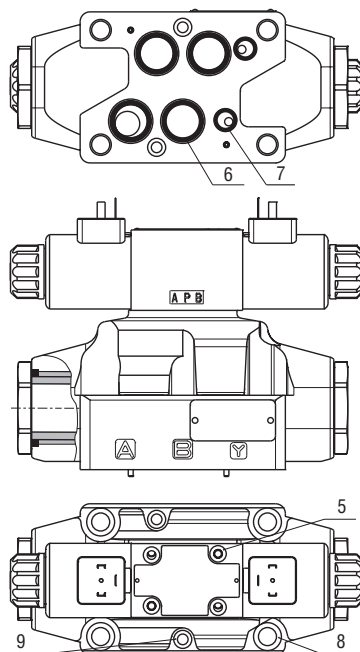
- 1, 2 - O-ring
 3 - O-ring
 4 - Square ring (NBR),
 O-ring (FPM)
 5 - Mounting bolt



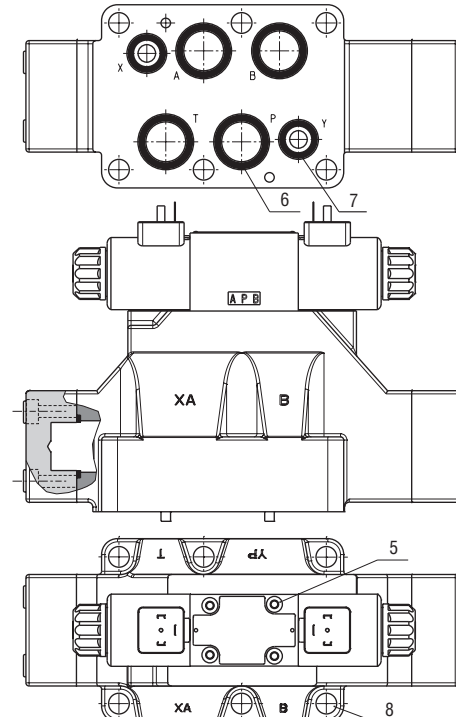
RNEXH1-10



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			33053300
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
	NBR	3	17x1.8	2	4	Square ring 9.25x1.68	4
	FPM	3	17.17x1.78	2	4	O-ring 9.25x1.78	4
5	Bolt Kit	Pos.		Pcs			Ordering No.
Mounting bolts for steel plates	5		Bolt M5x45	4		for studs see Datasheet 0020	15845100

Position	RNEH1-10						
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs
	NBR	6	12.42x1.78	5	7	9.25x1.78	2
	FPM	6		5	7		2
8	Bolts	Pos.		Pcs			
Mounting bolts	8		Bolt M6x35	4		Mounting bolts for steel plates are not available	
Position	RNEH5-16						
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs
	NBR	6	22.22x2.62	4	7	10.82x1.78	2
	FPM	6		4	7		2
8+9	Bolts	Pos.		Pcs			
Mounting bolts	8,9		Bolt M10x60, M6x50	4+2		Mounting bolts for steel plates are not available	
Position	RNEH4-25						
6+7	Seal Kit	Pos.	O-ring	Pcs	Pos.	O-ring	Pcs
	NBR	6	29.82x2.62	4	7	20.29x2.62	2
	FPM	6		4	7		2
8	Bolts	Pos.		Pcs			
Mounting bolts	8		Bolt M12x60	6		Mounting bolts for steel plates are not available	

		SP -			-		-		/		
Spare parts											
Group											
Bolt kit		BK									
Fork kit		FK									
Nut kit		NK									
Seal kit		SK									
Orifice		O									
Spool and position sensor		SPcs									
Soft-shift		SS									
Connector		C									
Bolt kit - size definition		BK									
Bolt kit - for DN04		DN04									
Bolt kit - for DN06		DN06									
Bolt kit - for DN10		DN10									
Fork kit - size definition		FK									
Fork SLIP-IN M8 + Bolt M8x16		M8									
Nut kit - definition		NK									
SIC		S									
CETOP		C									
SIC + CETOP		SC									
Seal kit - definition		SK									
Cavity / Valve size		example - A2 / DN04									
Orifice - definition		O									
Valve size		DN03									
Valve size		DN04									
Valve size		DN06									
Valve size		DN10									
Spool and position sensor - definition		SPcs									
normally-open sensor (210 bar)		S1									
normally-closed sensor (210 bar)		S4									
Soft-shift definition		SS									
Orifice Ø0.6 mm (0.02 inch) in T line bridge		T2									
Adjustable needle valve in T line bridge		T3									
Connector		C									
FEMALE-CAN open (optional)		M12x1-5PIN-FEMALE-CAN									
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									
		M5x35									
		M4x12									
		M4x12 + M4x10									
		M5x30									
		M5x45									
		M6x40									
		M6x45									

