

Overview of Directional Sol. Cartridge Valves, Size 1...5

in seated and spool-type designs
Series WS.../ WR.../ WK...

2/2-...3/2 solenoid operated directional seat valves as screw-in cartridges

- With seat-valve shut-off in both directions or one direction only
- High-pressure models
- "Low watt" models (8 W)
- All exposed parts with zinc-nickel plating
- High pressure wet-armature solenoids
- The slip-on coil can be rotated, and it can be replaced without opening the hydraulic envelope
- Various plug-connector systems and voltages are available

● = Standard model

Series	Symbol / Function	p max. [bar]	Q max. [l/min]	Functions					Electrical operation				Cavity				Line-mounting body (G3/8")				Reference Data sheet
				Poppet	Spool	C.V. function	Direct acting	Two-stage	8 W - Low-Watt	17 W	25 / 27 W	Manual override	AL 3/4-16 UNF	ALM M20x1,5	AM 3/4-16 UNF	AN 3/4-16 UNF	GALA ...	GALMA ...	GAMA ...	GAN ...	
WSP22GLA1 ...		420	5	●			●	●				●			●					400-P-120601	
WSP22OLA1 ...		420	5	●			●	●				●			●					400-P-120601	
WSP22GNA3 ...		420	15	●		●				●		●			●					400-P-120801	
WSP22ONA3 ...		420	15	●		●				●		●			●					400-P-120801	
WS22GNA5 ...		250	30	●		●				●	●	●			●		●			400-P-121100	
WS22GNZ5 ...																					
WS22ONA5 ...		250	30	●		●				●	●	●			●		●			400-P-121100	
WS22ONZ5 ...																					
WRP22GEA5 ...		420	40	●		●				●		●			●					400-P-121121	
WRP22OEA5 ...		420	40	●		●				●		●			●					400-P-121121	
WR22GEA5 ...		350	40	●		●				●	●	●			●		●			400-P-121120	
WR22GEZ5 ...																					
WR22OEA5 ...		350	40	●		●				●	●	●			●		●			400-P-121120	
WR22OEZ5 ...																					
WR22LEA5 ...		350	40	●		●				●		●			●					400-P-121140	
WR22KEA5 ...		350	40	●		●				●		●			●					400-P-121140	
WS32GNA5 ...		250	22	●		●				●	●				●				●	400-P-121200	

2/2...4/3 sol. operated directional spool valves as screw-in cartridges

- With the proven sliding-spool principle
- High-pressure models
- "Low watt" models (8 W)
- All exposed parts with zinc-nickel plating
- High pressure wet-armature solenoids
- The slip-on coil can be rotated, and it can be replaced without opening the hydraulic envelope
- Various plug-connector systems and voltages are available

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Series	Symbol / Function	p max. [bar]	Q max. [l/min]	Functions					Electrical operation				Cavity				Line-mounting body (G3/8")				Reference Data sheet
				Poppet	Spool	C.V. function	Direct acting	Two-stage	8 W - Low-Watt	17 W	25 / 27 W	Manual override	AL 3/4-16 UNF	ALM M20x1,5	AM 3/4-16 UNF	AN 3/4-16 UNF	GALA ...	GALMA ...	GAMA ...	GAN ...	
WK22GEA5 ...		250	30	●						●										400-P-121160	
WK22GNA5 ...				●	●							●	●								
WK22OEA5 ...		250	30	●						●										400-P-121160	
WK22ONA5 ...				●	●							●	●								
WKP32GLA1 ...		420	5	●					●										●	400-P-120621	
WKP32OLA1 ...				●	●						●										
WKP32GNA3 ...		420	15	●							●	●							●	400-P-120821	
WKP32ONA3 ...				●	●								●	●							
WK32GEA5 ...		250	30	●						●										400-P-121180	
WK32GNA5 ...				●	●								●	●							
WK32OEA5 ...		250	30	●						●										400-P-121180	
WK32ONA5 ...				●	●								●	●							
WKP42ALA1 ...		420	5	●					●										●	400-P-120641	
WKP42ANA3 ...				●	●																
WK42AEA5 ...		250	25	●						●										400-P-121220	
WK42ANA5 ...				●	●								●	●							
WK42ADEA5 ...		250	30	●						●										400-P-121220	
WK42ADNA5 ...				●	●								●	●							
WK43DEA5 ...		250	30	●						●										400-P-121240	
WK43DNA5 ...				●	●								●	●							
WK43GEA5 ...		250	30	●						●										400-P-121240	
WK43GNA5 ...				●	●								●	●							



IMPORTANT!

For other functions, please consult BUCHER.

Related data sheets

Reference	(Old no.)	Description
400-P-120110	(W-2.141)	Coils for screw-in cartridge valves
400-P-040011	(i-32)	The form-tool hire programme
400-P-040171	(i-33.10)	Cavity type AL
400-P-040201	(i-33.13)	Cavity type ALM
400-P-040181	(i-33.11)	Cavity type AM
400-P-040191	(i-33.12)	Cavity type AN
400-P-720101	(G-4.10)	Line-mounting body, type GALA (G 3/8")
400-P-720105	(G-4.11)	Line-mounting body, type GALMA (G 3/8")
400-P-720111	(G-4.20)	Line-mounting body, type GAMA (G 3/8")
400-P-720121	(G-4.30)	Line-mounting body, type GANA (G 3/8")

Notes

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Classification: 430.300.