24000

3/2 Directional control valves
Actuation: electromagnetic
Directly controlled poppet valves
Port size: G 1/4 to G 1 1/2

Working from 0 bar up

Suitable for vacuum range down to 1.33·10-2 mbar·l/s

Protection class IP65, EEx me, ATEX approved (see solenoid operators)



Technical data

Medium:
For neutral, gaseous and liquid fluids

Operation:
Solenoid, directly controlled

Mounting position:
Optional, preferably vertical

Flow direction:
Optional NC or NO

Nominal size:
8 to 50 mm

Port size:
G 1/4 to G 1 1/2

Electrical connection:
M20x1,5

Operating pressure:
max. 100 bar

Ambient temperature:
Depending on solenoid system and sealing
-25, -40 to +60, +80, +90°C

Fluid temperature:
-25* to +80°C NBR (Perbunan)
-10* to +120°C FKM (Viton)
-40* to +80°C Hytrell
*Please consult our technical service for use below +2°C. If installed in the open protect all connections against the penetration of moisture!

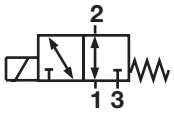
Materials:
Housing: Brass, Red brass (Rg), Grey cast iron (GG)
Seat seal: see Fluid temperature
Inner part: Brass, Steel

Ordering information

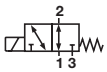
3/2 directional control valve, nominal size 12, connection G 1/2, solenoid 24 V DC, electrical connection M20x1,5, protection class IP 65
Type: 2402550.1300.024.00

Further versions

Solenoid systems in protection class EEx d IIC T4/T6
Solenoid systems for higher temperatures
Manual override with and without lock
Inductive or electromechanical limit switches



General information

Symbol	Type *	Solenoid Group	Connection size	Nominal	Operating pressure (bar) Min.	Max.	kv-value (Cv Ÿ kv x 1,2)	Material Housing	Seat seal	Weight (kg)	Dimensions No.
	2401550	30,5A	G 1/4	8	0	15	0,65	Brass	NBR	2,6	1
	2401650	30,5A	G 3/8	8	0	15	0,77	Brass	NBR	2,6	1
	2401750	30,5A	G 1/2	8	0	15	0,78	Brass	NBR	2,6	1
	2402450	30,5A	G 3/8	12	0	12	1,12	Brass	NBR	3,0	1
	2402550	30,5A	G 1/2	12	0	12	1,25	Brass	NBR	3,0	1
	2402750	30 ,5A	G 1/2	12	0	25	1,25	Brass	NBR	4,2	2
	2406750	38,5A	G 1/2	12	0	40	1,25	Brass	NBR	4,2	2
	2407965	38,5A	G 1/2	12	0	100	1,25	Brass	Stainless steel *1)	4,2	2
	2403350	38,5A	G 1/2	15	0	10	2,80	Red brass	NBR	6,2	3
	2403450	38,5A	G 3/4	15	0	10	2,80	Red brass	NBR	6,2	3
	2403510	38,5A	G 3/4	20	0	6	5,00	Red brass	NBR	7,7	4
	2403610	38,5A	G 1	20	0	6	5,00	Red brass	NBR	7,7	4
	2403810	70A	G 1	25	0	8	9,00	Red brass	NBR	22,9	5
	2403910	70A	G 1 1/4	25	0	8	9,00	Red brass	NBR	22,9	5
	2404010	70A	G 1 1/2	50	0	3	25,0	Grey cast iron *2)	NBR	36,3	6

* When ordering please indicate solenoid, voltage and current type (frequency).
*1) Suitable only for liquids
*2) Grey cast iron suitable for fluid and ambient temperatures down -10 °C.