

**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<sup>-2</sup> 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 Hytrel

\*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**

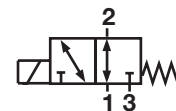
### Further versions

Solenoid systems in protection class  
 EEx d IIC T4/T6

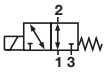
Solenoid systems for higher temperatures

Manual override with and without lock

Inductive or electromechanical limit switches



## General information

Symbol	Type *	Solenoid Group	Connection size	Nominal	Operating pressure (bar)		kv-value (Cv $\checkmark$ kv x 1,2)	Material Housing	Seat seal	Weight (kg)	Dimensions No.
					Min.	Max.					
	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.