

Directional valves ▶ Pneumatically operated

5/2-directional valve, Series 740

▶ Qn = 700 - 950 l/min ▶ pipe connection ▶ compressed air connection output: Ø 8x1 - Ø 10x1 ▶ Can be assembled into blocks ▶ Manual override: with detent ▶ suitable for ATEX



00134171

Version	Diaphragm poppet valve
Pilot	internal
Sealing principle	Soft sealing
Mounting on manifold strip	PRS strip
Working pressure min./max.	1.5 bar / 10 bar
Ambient temperature min./max.	-15°C / +60°C
Medium temperature min./max.	-15°C / +60°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Materials:	
Housing	Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber

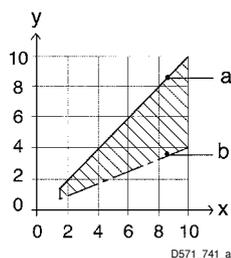
Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

	Blocking principle	Compressed air connection				Flow rate value	Weight	Note	Part No.
		Input	Output	Exhaust	Pilot control exhaust				
						[l/min]	[kg]		
	Single base plate principle, Plate principle	Ø 8x1	Ø 8x1	M14x1	Ø 8x1	700	0.23	1)	5717410000
		Ø 10x1	Ø 10x1			950			5717460000

1) See diagram
Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar with throttle

Pilot pressure range



x: operating pressure (bar) y: control pressure (bar)
a: maximum control pressure depending on operating pressure
b: minimum control pressure depending on operating pressure

