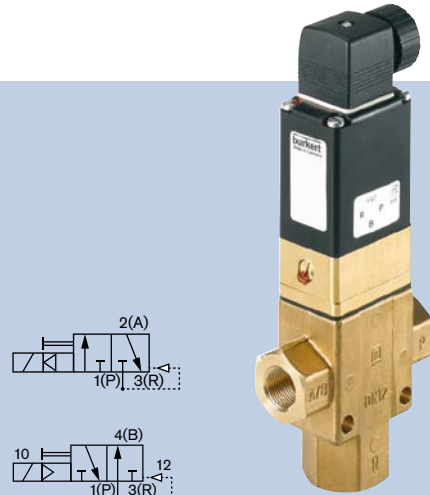


3/2-way Solenoid Valve with pivoted armature pilot drive for low pressures and vacuum

0344

G 1/4" - G 1"

- Pivoted armature pilot drive, media isolated
- Smoothly operating servo-piston
- For neutral gases with low pressures
- For technical vacuum
- Manual override as standard



The pilot-controlled 3/2-way valve, Type 0344, with a smoothly operating servo-piston requires a differential pressure of 0.25 bar for complete opening and closing. In the circuit functions NC and NO, it is particularly suited for use with neutral gases with low pressures and for vacuum, even with dry running.

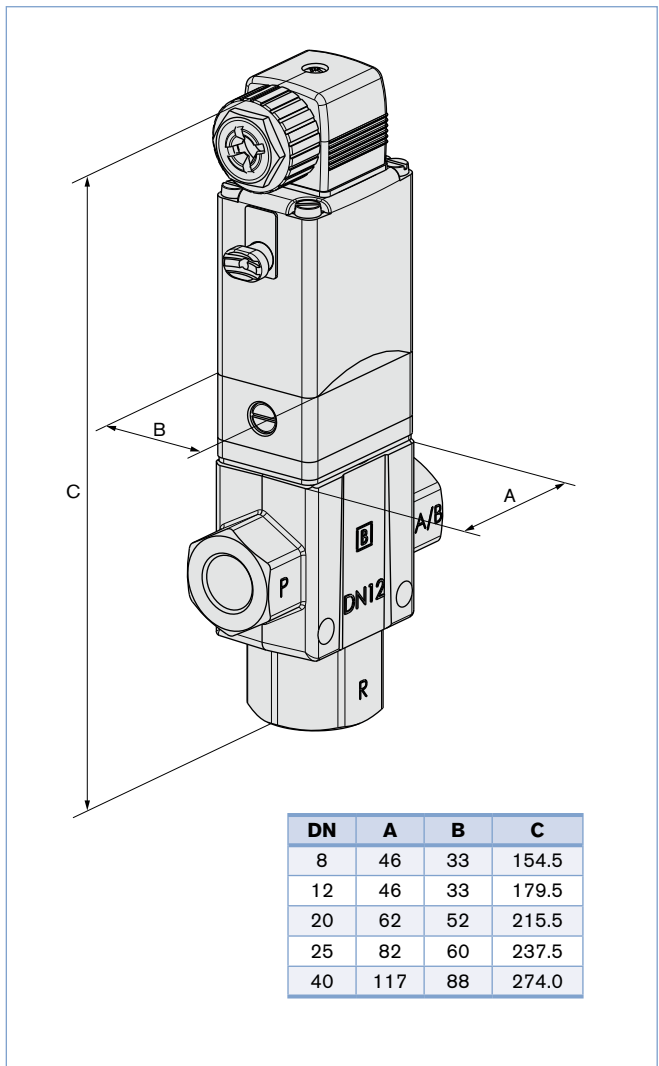
Technical Data

Orifice	DN8.0-40 mm
Body material	Brass
Coil material	Epoxy
Coil insulation class	H
Seal material	NBR
Medium	Neutral gases, compressed air, vacuum
Medium temperature	0 °C to +90 °C
Ambient temperature	Max. +55 °C
Voltage tolerance	± 10%
Duty cycle	100% continuous rating
Electrical connection	Cable plug for Ø 7 mm cable, acc. to DIN EN 175301-803 Form A (supplied as standard)
Electr. power consumption	DC: 8 W, AC: 30 VA (inrush), 15 VA (hold)
Protection class	IP 65 with cable plug
Installation	as required, preferably with actuator upright

Orifice [mm]	Response times ¹⁾	
	Opening [ms]	Closing [ms]
8	25	25
12	30	30
20	40	40
25	70	70
40	120	120

¹⁾ Measured at valve outlet at 6 bar and +20 °C
Opening: pressure rise 0 to 90%, *closing:* pressure drop 100 to 10%

Envelope Dimensions [mm]



Ordering Chart

Circuit function	Port connection [inch]	Orifice [mm]	Qn-value air P → A [l/min]	Pressure range [bar]	Item no. per voltage/frequency [V/Hz]		
					024/DC	024/50	230/50
All valves with manual override, brass body, NBR seal and cable plug							
C 3/2-way valve normally closed	G 1/4	8	1030	Vacuum to 3	047 383	047 787	045 134
	G 1/2	12	2800	Vacuum to 3	046 580	047 897	046 180
	G 3/4	20	7200	Vacuum to 3	046 833	053 492	046 461
	G 1	25	11000	Vacuum to 3	043 691	050 367	055 445
	G 1 1/2	40	26000	Vacuum to 3	057 829	-	047 853
D 3/2-way valve normally open	G 1/4	8	1030	Vacuum to 3	046 986	049 336	046 408
	G 1/2	12	2800	Vacuum to 3	046 246	051 354	046 373
	G 3/4	20	7200	Vacuum to 3	046 087	057 636	047 616
	G 1	25	11000	Vacuum to 3	047 873	043 479	041 681

Quick exhaust function: Connection R is a orifice size larger than the ports A / B and P. This increases the flow A-R by a factor of 1.5 to 2 to the value in the table.

Envelope Dimensions [mm]

