

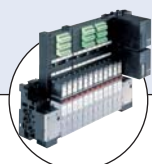
0263


**bürkert**  
 FLUID CONTROL SYSTEMS


## 2/2-way valve with isolating diaphragm for medium up to +100°C

- Normally closed or open
- Body material: Brass, Stainless steel
- Double spindle seal
- Compact design

Type 0263 can be combined with...


**Type 6012/6014P**  
 Pilot valve

**Type 8640/8644**  
 Valve Block

**Type 8645**  
 Valve Block

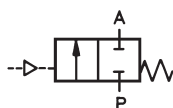
**Type 8311**  
 Pressure Sensor/Switch

The externally controlled valve is pneumatically operated. It consists of a diaphragm actuator and a 2-way valve body. Between the valve housing and the drive, there is a hermetically sealed membrane.

The diaphragm actuator moves a spindle with valve disc against a spring and switches the valve. The spindle is designed glandless with double seal. The actuator body is made out of epoxy resin.

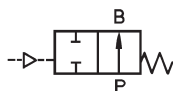
### Circuit function A

2/2-way valve, externally controlled, normally closed by spring operation with pilot valve



### Circuit Function B

2/2-way valve, externally controlled, normally opened by spring, operation with pilot valve

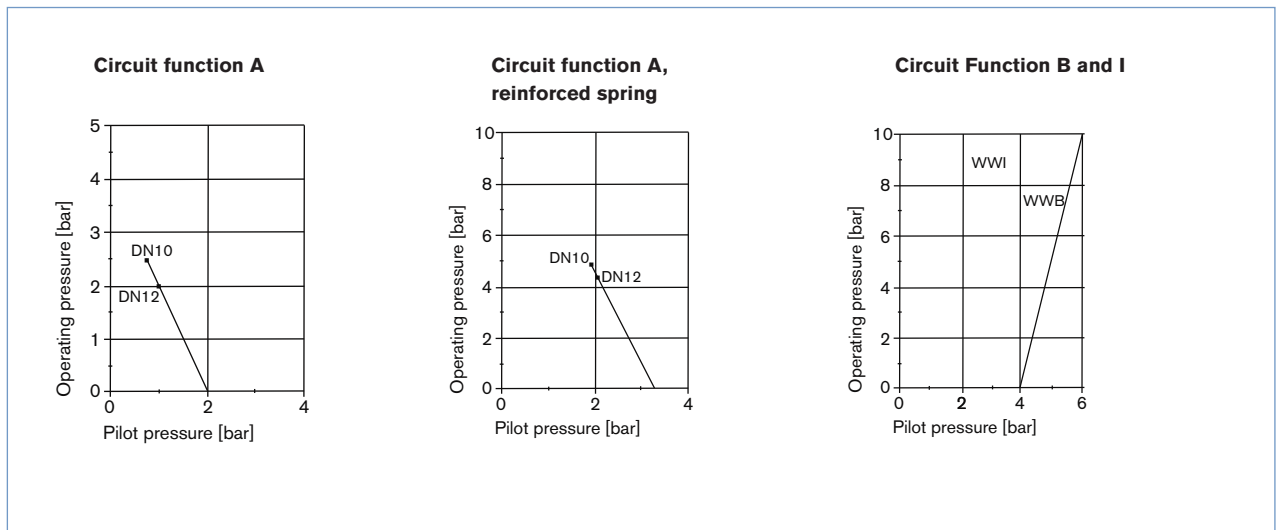


Technical data	
<b>Body material</b>	Brass, stainless steel
<b>Inner part valve</b>	Stainless steel
<b>Actuator</b>	Epoxy resin
<b>Seal material</b>	NBR, FKM, EPDM,
<b>Medium</b>	
NBR	neutral medium (e.g. compressed air, town gas, water, hydraulic oil)
FKM	per-solution, oxygen, hot air
EPDM	oil and fat-free medium e.g. hot water, alkaline washing and bleaching lyes
<b>Viscosity</b>	max. 100 mm <sup>2</sup> /s
<b>Medium temperature</b>	
NBR	-10 up to +90 °C
FKM	-10 up to +100 °C
EPDM	-10 up to +100 °C
<b>Control medium</b>	neutral gases and liquids, in particular air, water, hydraulic liquids up to max. +90 °C
<b>Pilot pressure</b>	see diagram
<b>Ambient temperature</b>	-10 up to +90 °C
<b>Installation</b>	As required, preferably with actuator upright
<b>Flow rate</b>	measured at +20°C, 1 bar pressure at valve inlet and free outlet
Kv value water [m <sup>3</sup> /h]:	
<b>Pressure values [bar]</b>	Measured as overpressure to the atmospheric pressure

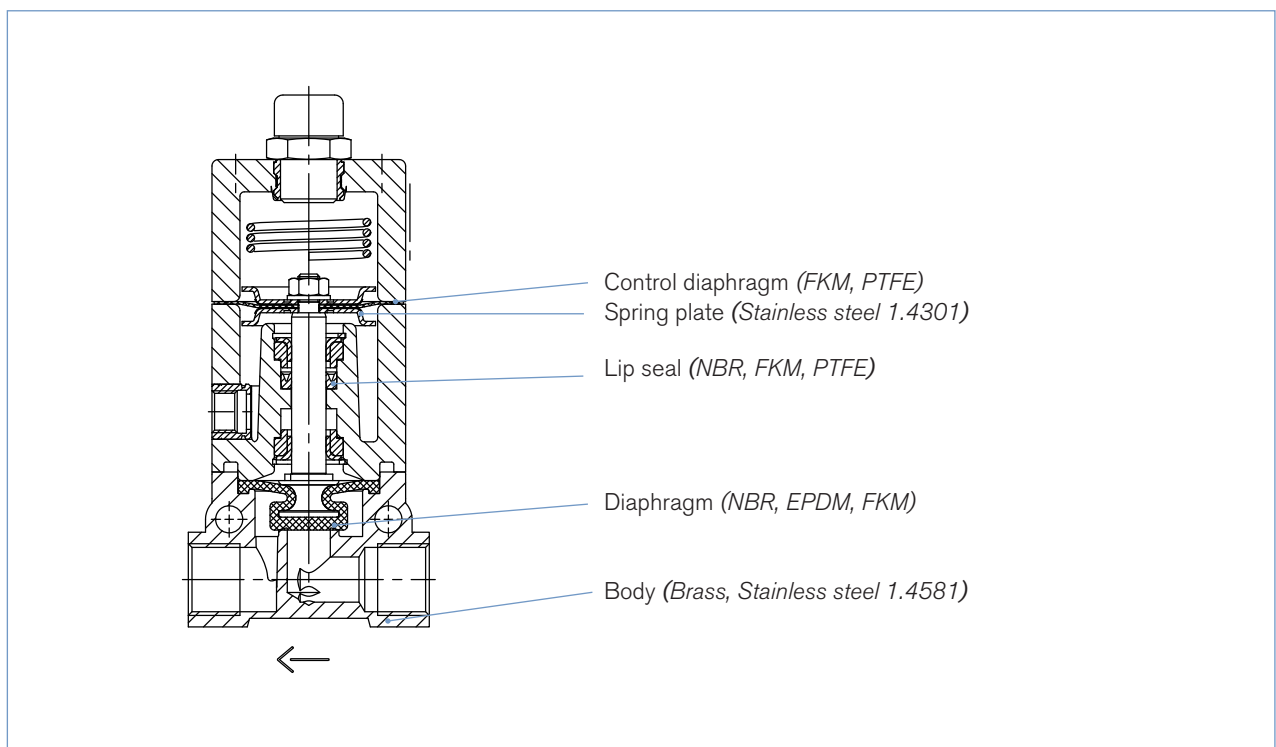
Technical data *continued*

Orifice [mm]	Kv value water [m³/h]	Port connection	Pressure range of circuit function			Weight [kg]
			A normal spring [bar]	A reinforced spring [bar]	B and I normal spring [bar]	
10	1.0	G 3/8	0 - 2.5	0 - 5	0 - 10	0.5
12	2.1	G 1/2	0 - 2	0 - 4.5	0 - 10	0.6

## Operating pressure chart - pilot pressure



## Material



**Ordering chart for valves (other versions on request)**
**Valves with threaded port connection**

Circuit function	Orifice [mm]	Port connection	Kv value water [m <sup>3</sup> /h]	Spring	Pressure range [bar]	Seal material	Item no.
<b>Brass body</b>							
<b>A</b>	10	G 3/8	1.0	normal	0-2.5	FKM	027 963
						NBR	027 342
				reinforced	0-5	EPDM	027 929
						FKM	026 903
	12	G 1/2	2.1	normal	0-2	NBR	026 065
						EPDM	026 094
				reinforced	0-4.5	FKM	026 246
						NBR	026 207
<b>B</b>	10	G 3/8	1.0	normal	0-10	EPDM	028 023
						FKM	027 695
				reinforced	0-10	NBR	027 881
						EPDM	028 980
	12	G 1/2	2.1	normal	0-10	FKM	028 037
						NBR	026 455
				reinforced	0-10	EPDM	027 987
						FKM	028 827
NBR	027 962						
<b>Stainless steel body</b>							
<b>A</b>	12	G 1/2	2.1	reinforced	0-4.5	EPDM	027 428
						FKM	026 944
						NBR	027 328

## Dimensions [mm]

