



## 2/2-way Compact Diaphragm Valve, cast valve body, threaded port connection, G 1/4 - 3/4

- Hermetical separation of fluids from the actuator by diaphragm
- For contaminated, viscous or dirty fluids

Type 2031 Compact can be combined with...



**Accessory 1062**

Electrical position feedback



**Accessory**

Stroke limitation



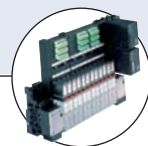
**Type 6012/6014P**

Pilot valve



**Type 8631**

TopControl ON/OFF



**Type 8640/8644**

Valve block



**Type 8311**

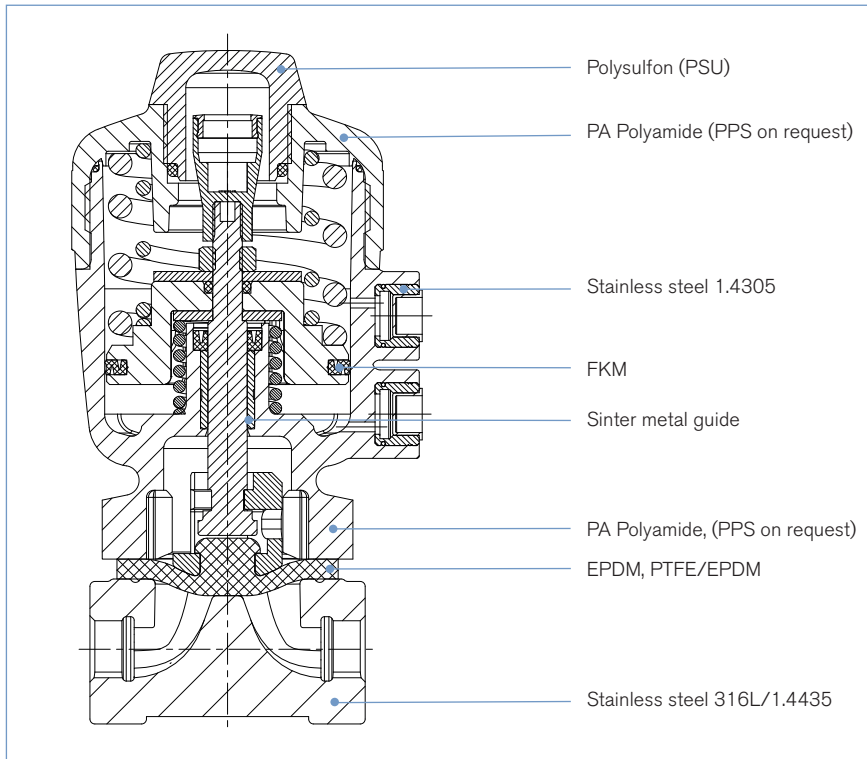
Pressure Sensor/Switch

The externally piloted diaphragm valve consists of a pneumatically operated piston actuator, a diaphragm and a 2-way valve housing made of investment cast stainless steel.

The standard material of the actuator is PA polyamide. With its favourable flow characteristics, the valve enables high flow capacities and a variety of applications for contaminated, viscous or dirty fluids to be realised.

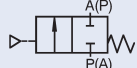
Technical data	
<b>Port connection</b>	Threaded ports ISO 228, G 1/4 - 3/4
<b>Orifice</b>	DN 15-20
<b>Body material</b>	Cast stainless steel 316 L/1.4435
<b>Actuator material</b>	PA polyamide
<b>Pilot air ports</b>	Stainless steel 1.4305
<b>Seal materials</b>	EPDM, FKM, EPDM lined with PTFE
<b>Medium</b>	Neutral gases and liquids, sterile, aggressive or abrasive fluids
<b>Viscosity</b>	Up to viscous
<b>Medium temperature</b>	
EPDM	-5 to +130°C
FKM, EPDM lined with PTFE	Briefly up to +150°C for steam sterilisation -5 to +130°C
<b>Ambient temperature</b>	-5 to +60°C
<b>Control medium</b>	Neutral gases; air
<b>Installation</b>	As required, preferably with actuator in upright position

Materials



Ordering chart for valves (other versions on request)

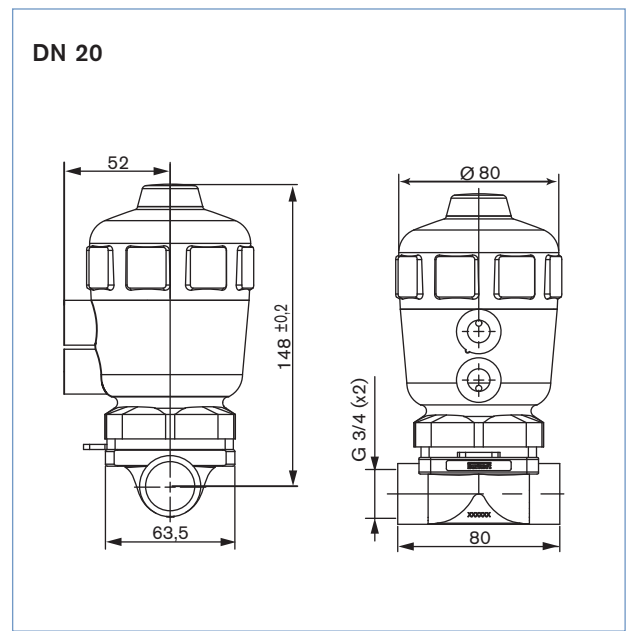
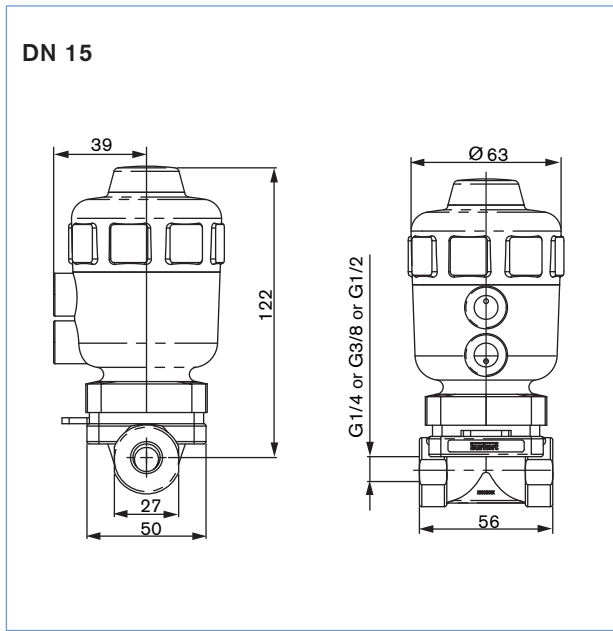
Body with threaded port connection

Control function	Orifice [mm]	Port connection [inch]	Kv-value water [m³/h]	Actuator size Ø [mm]	Pilot pressure [bar]		Max. operating pressure [bar]	Item no.
					min.	max.		
<b>A</b> 2/2-way, normally closed (NC) 	<b>EPDM seal</b>							
	15	G 1/4"	4.0	D-50	5.0	10	8.5	445 417
	15	G 3/8"	4.0	D-50	5.0	10	8.5	445 418
	15	G 1/2"	4.0	D-50	5.0	10	8.5	445 419
	20	G 3/4"	7.0	E-63	5.5	10	10.0	558 712
	<b>FKM seal</b>							
	15	G 1/4"	4.0	D-50	5.0	10	8.5	445 420
	15	G 3/8"	4.0	D-50	5.0	10	8.5	445 421
	15	G 1/2"	4.0	D-50	5.0	10	8.5	445 422
	20	G 3/4"	7.0	E-63	5.5	10	10.0	558 714
	<b>EPDM lined with PTFE seal</b>							
	15	G 1/4"	4.0	D-50	7.0	10	8.5	442 835
	15	G 3/8"	4.0	D-50	7.0	10	8.5	444 148
	15	G 1/2"	4.0	D-50	7.0	10	8.5	442 834
	20	G 3/4"	7.0	E-63	8.5	10	10.0	558 713

**i** Further versions on request

**ME** Control function  
Normally open or double-acting

Dimensions [mm]



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In case of special application conditions, please consult for advice.

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