

Description

Externally controlled diaphragm valve with plastic piston actuator. Suitable for shut-off, controlling, dosing and regulating liquid and gaseous media.

Product features

- | | |
|----------------------------|---|
| • Operating Medium: | neutral, aggressive, gaseous and liquid media |
| • Medium Temperature: | max. 50°C |
| • Surrounding Temperature: | -10 to +80°C |
| • Nominal Diameter: | DN15 - DN50 |
| • Sealing: | EPDM or PTFE (further materials possible) |

Excellence

- Plastic piston actuator of PA
- Compact construction
- Optional orientation of the air inlet port
- Circumferential defined sealing angle between the process diaphragm and valve body
- Flexible diaphragm suspension
- Encapsulated diaphragm
- optimized internal cleaning
- Eliminates water hammer
- Upon diaphragm material for all neutral and aggressive, gaseous and liquid media
- Flow can be either direction
- Installation can be in any position
- Hermetical sealing
- Intensive to dirt
- Comprehensive selection of accessories



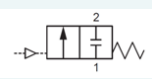
2/2 - Way - Metal-Diaphragm Valve - Series 402

Threaded end G1/2" - G2"

2/2 Way Diaphragm Valves, pneumatically operated Investment cast - EPDM

DN 15 - DN 50, pneumatically operated, threaded end G1/2" bis G2"

for neutral, aggressive, gaseous and liquid media (*)

Body Material:	1.4435 (316L) investment cast	Working Pressure:	4,5 - 7 bar		
Sealing:	EPDM	Control Medium:	air, neutral gases		
Control Function:	NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	KV-Value (m ³ /h)	max. Working Pressure (bar)
	DN15	402.15.7.1.1.1S	G1/2"	7,0	10,0
	DN20	402.20.7.1.1.1S	G3/4"	14,0	10,0
	DN25	402.25.7.1.1.1S	G1"	18,0	10,0
	DN32	402.32.7.1.1.1S	G1 1/4"	36,0	10,0
	DN40	402.40.7.1.1.1S	G1 1/2"	41,0	10,0
	DN50	402.50.7.1.1.1S	G2"	59,0	10,0



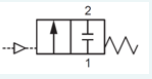
(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

2/2 Way Diaphragm Valves, pneumatically operated Investment cast - FKM

DN 15 - DN 50, pneumatically operated, threaded end G1/2" bis G2"

for neutral, aggressive, gaseous and liquid media (*)

Body Material:	1.4435 (316L) investment cast	Working Pressure:	4,5 - 7 bar		
Sealing:	FKM	Control Medium:	air, neutral gases		
Control Function:	NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	KV-Value (m ³ /h)	max. Working Pressure (bar)
	DN15	402.15.7.1.2.1S	G1/2"	7,0	10,0
	DN20	402.20.7.1.2.1S	G3/4"	14,0	10,0
	DN25	402.25.7.1.2.1S	G1"	18,0	10,0
	DN32	402.32.7.1.2.1S	G1 1/4"	36,0	10,0
	DN40	402.40.7.1.2.1S	G1 1/2"	41,0	10,0
	DN50	402.50.7.1.2.1S	G2"	59,0	10,0


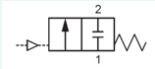


(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)


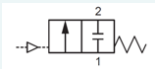
Dimensions: see page 6

2/2 - Way - Metal-Diaphragm Valve - Series 402

2/2 Way Diaphragm Valves, pneumatically operated Cast iron - EPDM						
DN 15 - DN 50, pneumatically operated, threaded end G1/2" bis G2"						
for neutral, aggressive, gaseous and liquid media (*)						
Body Material:		GG25 cast iron		Working Pressure:		4,5 - 7 bar
Sealing:		EPDM		Control Medium:		air, neutral gases
Control Function:		NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)	
	DN15	402.15.8.1.1.1S	G1/2"	7,0	10,0	
	DN20	402.20.8.1.1.1S	G3/4"	14,0	10,0	
	DN25	402.25.8.1.1.1S	G1"	18,0	10,0	
	DN32	402.32.8.1.1.1S	G1 1/4"	36,0	10,0	
	DN40	402.40.8.1.1.1S	G1 1/2"	41,0	10,0	
	DN50	402.50.8.1.1.1S	G2"	59,0	10,0	

(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

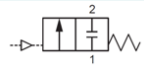
2/2 Way Diaphragm Valves, pneumatically operated Cast iron - FKM						
DN 15 - DN 50, pneumatically operated, threaded end G1/2" bis G2"						
for neutral, aggressive, gaseous and liquid media (*)						
Body Material:		GG25 cast iron		Working Pressure:		4,5 - 7 bar
Sealing:		FKM		Control Medium:		air, neutral gases
Control Function:		NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)	
	DN15	402.15.8.1.2.1S	G1/2"	7,0	10,0	
	DN20	402.20.8.1.2.1S	G3/4"	14,0	10,0	
	DN25	402.25.8.1.2.1S	G1"	18,0	10,0	
	DN32	402.32.8.1.2.1S	G1 1/4"	36,0	10,0	
	DN40	402.40.8.1.2.1S	G1 1/2"	41,0	10,0	
	DN50	402.50.8.1.2.1S	G2"	59,0	10,0	

(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

2/2 - Way - Metal-Diaphragm Valve - Series 402

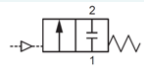
Flange DN15 - DN50

2/2 Way Diaphragm Valves, pneumatically operated Cast iron - EPDM					
DN 15 - DN 50, pneumatically operated, Flange PN10					
for neutral, aggressive, gaseous and liquid media (*)					
Body Material:	GG25 - cast iron			Working Pressure:	4,5 - 7 bar
Sealing:	EPDM			Control Medium:	air, neutral gases
Control Function:	NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)
	DN15	402.15.8.51.1.1S	Flange EN 1092 PN10	7,0	10,0
	DN20	402.20.8.51.1.1S		14,0	10,0
	DN25	402.25.8.51.1.1S		18,0	10,0
	DN32	402.32.8.51.1.1S		36,0	10,0
	DN40	402.40.8.51.1.1S		41,0	10,0
	DN50	402.50.8.51.1.1S		59,0	10,0



(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

2/2 Way Diaphragm Valves, pneumatically operated Ductile iron - PFA lined/PTFE					
DN 15 - DN 50, pneumatically operated, Flange PN10					
for neutral, aggressive, gaseous and liquid media (*)					
Body Material:	GGG40.3 - investment cast, PFA lined			Working Pressure:	4,5 - 7 bar
Sealing:	EPDM			Control Medium:	air, neutral gases
Control Function:	NC (normally closed) (**)				
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)
	DN15	402.15.11.51.41.1S	Flange EN 1092 PN10	7,0	8,0
	DN20	402.20.11.51.41.1S		14,0	8,0
	DN25	402.25.11.51.41.1S		18,0	8,0
	DN32	402.32.11.51.41.1S		36,0	8,0
	DN40	402.40.11.51.41.1S		41,0	8,0
	DN50	402.50.11.51.41.1S		59,0	8,0

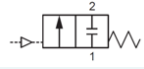



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(**) other functions possible: NO (normally closed), DA (double acting)

Dimensions: see page 7

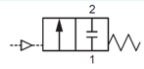
2/2 - Way - Metal-Diaphragm Valve - Series 402


2/2 Way Diaphragm Valves, pneumatically operated Ductile iron - PP lined/EPDM					
DN 15 - DN 50, pneumatically operated, Flange PN10					
for neutral, aggressive, gaseous and liquid media (*)					
Body Material:		GGG40.3 - ductile iron, PP lined		Working Pressure:	4,5 - 7 bar
Sealing:		EPDM		Control Medium:	air, neutral gases
Control Function:		NC (normally closed) (**)			
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)
	DN15	402.15.12.51.1.1S	Flange EN 1092 PN10	7,0	10,0
	DN20	402.20.12.51.1.1S		14,0	10,0
	DN25	402.25.12.51.1.1S		18,0	10,0
	DN32	402.32.12.51.1.1S		36,0	10,0
	DN40	402.40.12.51.1.1S		41,0	10,0
	DN50	402.50.12.51.1.1S		59,0	10,0



(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

2/2 Way Diaphragm Valves, pneumatically operated Cast iron - rubber lined/EPDM					
DN 20 - DN 50, pneumatically operated, Flange PN10					
for neutral, aggressive, gaseous and liquid media (*)					
Body Material:		GG25 - cast iron rubber lined		Working Pressure:	4,5 - 7 bar
Sealing:		EPDM		Control Medium:	air, neutral gases
Control Function:		NC (normally closed) (**)			
Function	Nominal Diameter	Article Code	Butt Weld	kV-Value (m ³ /h)	max. Working Pressure (bar)
	DN20	402.20.80.51.1.1S	Flange EN 1092 PN10	14,0	10,0
	DN25	402.25.80.51.1.1S		18,0	10,0
	DN32	402.32.80.51.1.1S		36,0	10,0
	DN40	402.40.80.51.1.1S		41,0	10,0
	DN50	402.50.80.51.1.1S		59,0	10,0
	DN50	402.50.12.51.1.1S		59,0	10,0



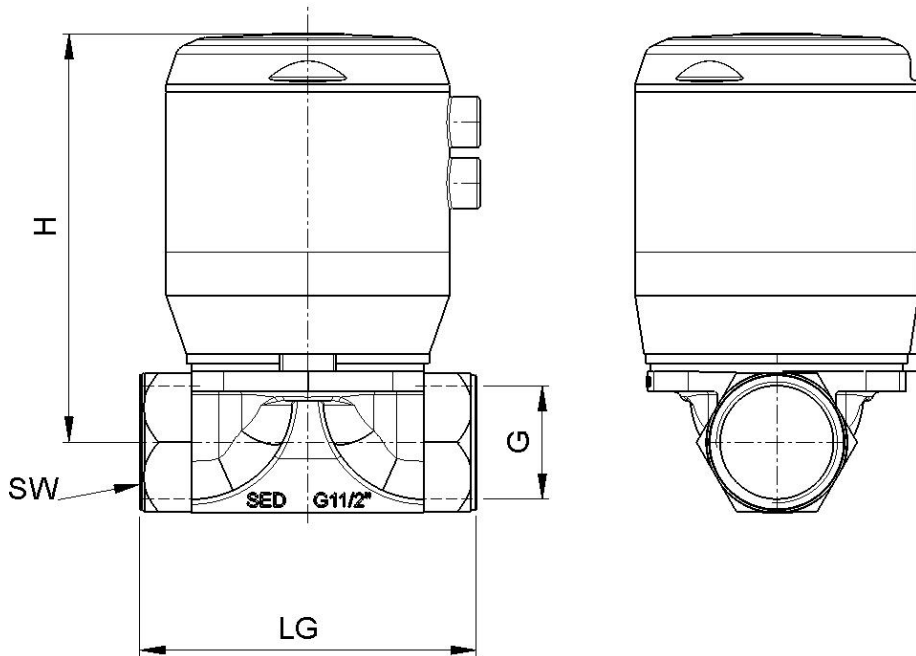
(*) Suitable for Media which are resistant to materials in contact with the medium.

(**) other functions possible: NO (normally closed), DA (double acting)

Dimensions: see page 7

2/2 - Way - Metal-Diaphragm Valve - Series 402

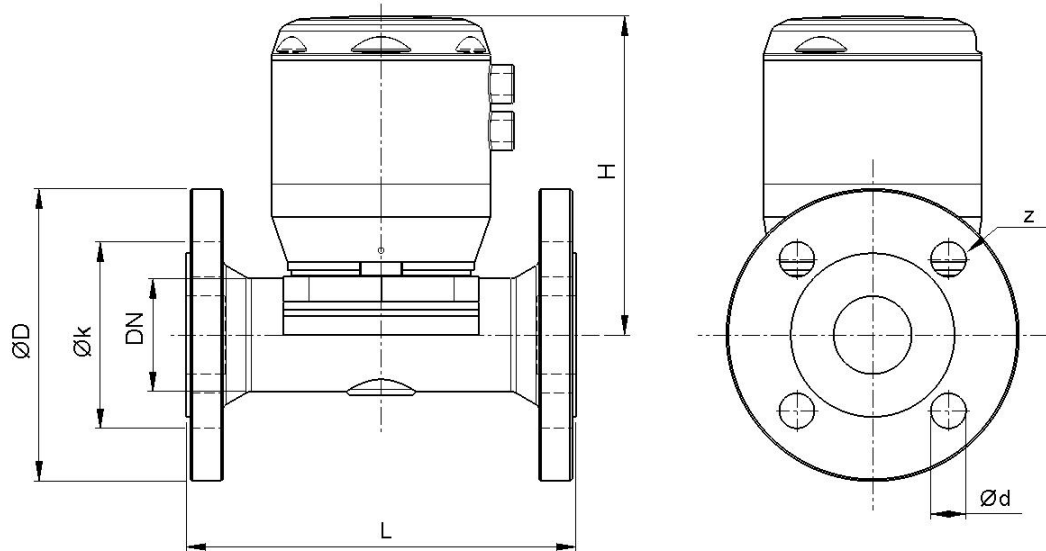
Dimensions - Threaded end G1/2" - G2"



Nominal diameter DN	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
LG	85	85	110	120	140	165
H (GG25)	136	140,5	143	160,5	165,5	213,5
SW (GG25)	32	41	46	55	65	75
H (1.4435)	133,5	136	140,5	158	160,5	211
SW (1.4435)	27	32	41	50	55	70

2/2 - Way - Metal-Diaphragm Valve - Series 402

Dimensions - Flange DN15 - DN50



<i>GG/rubber lined</i>					
Nominal diameter DN	20	25	32	40	50
L	150	160	180	200	230
H	172,5	177,5	203	208	258,5
$\varnothing k$	75	85	100	110	125
$\varnothing D$	105	115	140	150	165
$\varnothing d$	14	14	14	18	18
z	4	4	4	4	4

<i>GG/EPDM, GGG/PFA/PTFE, GGG/PP/EPDM</i>						
Nominal diameter DN	15	20	25	32	40	50
L	130	150	160	180	200	230
H	167,5	172,5	177,5	203	208	258,5
$\varnothing k$	65	75	85	100	110	125
$\varnothing D$	95	105	115	140	150	165
$\varnothing d$	14	14	14	14	18	18
z	4	4	4	4	4	4

2/2 - Way - Metal-Diaphragm Valve - Series 402

Accessories and Components

Manual Adjustments - Optical Indication



024.10
Optical position
indicator



024.11
Stroke limiter



024.12
Stroke limiter
with optical
position indicator



024.13
Manual override
with optical
position indicator



024.42
Manual override
with hand wheel

Electrical Switch Boxes - Manual Adjustments - Pilot Control (if required, please ask for technical data sheets)



024.63-024.65
Control head switch
with optical indicator
024.89
AS-Interface



024.91-024.93
Control head switch



024.90
Limit switch, open position



131B
3/2-Way Pilot valve

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