



**Rometec s.r.l.**

Via Alessandro Minuziano, 87-89 , 00128 Roma

Tel. 065061635 – Fax 065061542

Sito web: [www.rometec.it](http://www.rometec.it) – email: [info@rometec.it](mailto:info@rometec.it)

P. IVA 04120621000 - CCIAA RM 736916

Reg. Soc. Tribunale RM 9229/91 - Cap. soc. 46'482,00 €



**CATALOGO**  
**Valvole a diaframma pinch**

### Rubberlinings / hose inserts part 3 for Hose Diaphragm Valves



- with handwheel – type sheet 100.101 -
- with pneumatic actuators – type sheets 1200.1201 and 1200.1202
- with electric actuators – type sheets 1200.1203, 1200.1204 a. 1200.1205
- for hose pinch float valves – type sheet 500.501
- for hose pinch float safety valves – type sheet 800.801

available in varying materials and qualities:

natural rubber NR 5153 black	/ max. + 80° C
- standard – also abrasion resistant –	
natural rubber NR 526black3	/ max. + 90° C
Naturkautschuk lebensmittelbeständig NR 5055 hell – auch nach FDA	/ max. + 70° C
Perbunan NBR 5960	/ max. + 70° C
Neoprene CR 4860	/ max. + 70° C
EPDM 5562	/ max. + 90° C
Hypalon CSM 5664	/ max. + 70° C
Butyl IIR 5560	/ max. + 70° C
Naturkautschuk mit PTFE-Folie	/ max. + 90° C.

Temperature data refer to water.

We like to offer special qualities on demand.

The resistance of the materials above is depending on the concentration and temperature as well as on the operation pressure of the process media.

Threaded parts vulcanized into rubberlinings building the bolt connections to the control spindle of the armature on one side and on the other to the valve body.

With it a controlled operation is made so that the rubber linings - also with sticky media and media tending to incrustation - always open faultlessly.

By the squeezing operation unwanted deposits will be detached and flowing off.

These high class lining parts are mould parts which are produced in steel moulds due to decades of experience. Fabric linings in polyamide fabric are integrated onesided on the upper side to reinforce the rubber lining and are vulcanized.

The close cooperation with our rubber laboratory and available resistiveness lists aim to determine the most resistive rubber composite and quality for specific needs and case of operation.

The rubber lining is only in contact with the process medium.

After the replacement of this spare part, to which there is a mounting instruction available - see product selection "technical Documentation" - our customers have again a armature as good as new.

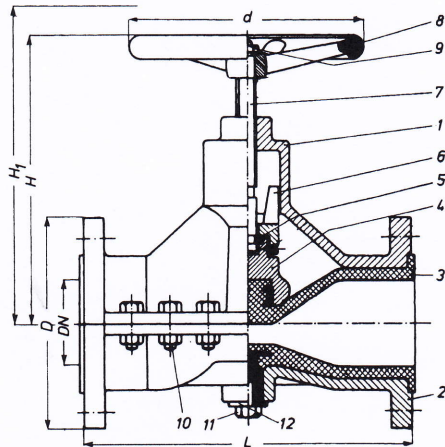


Fig. 101

DN	L	ØD	H	H <sub>1</sub>	Ød	B'1)	weight approx. kgs
15	130	95	163	178	110	105	4
20	150	105	165	185	110	128	4,6
25	160	115	160	185	110	128	5,7
32	180	140	180	210	160	134	8,2
40	200	150	190	220	170	155	10,7
50	230	165	205	240	170	178	13,2
65	290	185	260	300	200	240	20,5
80	310	200	280	345	200	245	25
100	350	220	360	440	250	290	39,8
125	400	250	390	490	300	350	55,1
150	480	285	460	595	330	410	75
175	550	315	505	650	430	465	102
200	600	340	520	650	430	539	119,5

dimensions in mm

1) max. width in mm (not drawn)

### Versione più corta Fig.102

DN	L	ØD	H	H <sub>1</sub>	Ød	B'1)	weight approx. kgs
20	120	95	165	185	110	128	4,4
25/30	150	120	160	185	110	128	6
40	180	140	190	220	170	155	10
50	200	160	205	240	170	178	12,5
65	230	180	260	300	200	240	18,4
80	260	200	280	345	200	245	22,5
100	300	230	360	440	250	290	39
125	350	260	390	490	300	350	54,5
150	400	280	460	595	330	410	70

dimensions in mm,  
 1) max. width in mm (not drawn)

**Range of application:**

acids, alkaline solutions, aggressive liquids, sludges, waste water, sand-water mixtures, ore-sludge and coal-silt, abrasive media, powdery products (like e.g. cement, lime, gypsum etc.), mineral oil, water, air, neutral media, liquids containing solids, crystallizing media, highly viscous media, syrup, juices, mash.

**Construction:**

free and smooth opening passage, without stuffing box, with interchangeable rubber lining, with controlled operation, body with polyester powder coating.

**Materials:**

see table (other materials on demand).

**Operating pressure:**

DN 15 - 80 max. 6 bar  
 DN 100 max. 5 bar  
 DN 125 - 200 max. 3 bar

**Operation:**

with handwheel

**Flange connection:**

DIN 2501, PN 16, DIN 2533 / EN 1092-2, PN 16  
 DN 200 = DIN 2501, PN 10, DIN 2532 / EN 1092-2, PN 10

**Special constructions:**

rubber lining in quality NR food or heat resistant, rubber lining in quality Perbunan NBR or Neoprene CR, rubber lining in quality Butyl IIR, Hypalon CSM or EPDM, rubber lining in quality NR with PTFE-foil, rubber lining with steel spiral for light vacuum, stem in brass or stainless steel, stem extension, stem fixing nut and stroke limitation, limit switches, with position indicator, with chain wheel, in bigger sizes, for higher pressure stages, with pneumatic and electric actuator, hose diaphragm float valves, hose diaphragm safety valves.

part	designation	material
1	upper part of the body 1)	GG 25
2	lower part of the body 1)	GG 25
3	rubber lining	NR (+85°C)
4	pressure part	GGG
5	divided ring	steel
6	guiding nut	GG 25
7	stem	1.4021
8	handwheel	steel
9	handwheel nut	stainless steel
10	bolts with nuts	zinc-coated steel
11	holding screw	zinc-coated steel
12	holding disc	zinc-coated steel

1) parts 1 and 2 to be ordered together only.



## Hose Diaphragm Valves with mounting flange for electric actuators

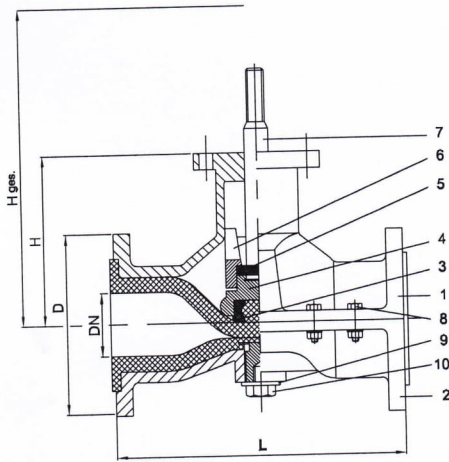


Fig. 104



DN	L	Ø D	H	B '1)	stroke	U/stroke	KVS values	weight appr. kgs
15	130	95	100	105	22	5,5	5	6
20	150	105	105	128	22	5,5	17	6,6
25	160	115	110	128	28	7	35	8
32	180	140	128	134	42	10,5	50	10
40	200	150	145	155	43	10,8	115	12,7
50	230	165	135	178	44	11	160	14
65	290	185	170	240	40	10	170	23
80	310	200	213	245	52	13	289	26,5
100	350	220	325	290	68	10,7	347	45
125	400	250	372	350	105	16,5	722	58
150	480	285	470	410	125	19,7	950	83
175	550	315	500	465	145	22,8	1021	124
200	600	350	500	539	136	21,4	1725	132

dimensions in mm

$H^{tot} = H \text{ (Valve)} + H_i \text{ (actuator)}$ , '1) max. valve width (not drawn)

assignment of the actuators				
DN	electric		operating pressure max. bar	
	type 1200.1205	types 1200.1203 and 1200.1204		
15	SBA12	SA-/SAR07.2	3	6
20	SBA45	SA-/SAR07.2	6	6
25	SBA45	SA-/SAR07.2	5	6
32	SBA45	SA-/SAR07.2	5	6
40	SBA45/-80	SA-/SAR07.2	4	6
50	SBA45/-80	SA-/SAR07.2	4	6
65	SBA45	SA-/SAR07.6	4	6
80	-	SA-/SAR07.6	-	6
100	-	SA-/SAR07.6	-	5
125	-	SA-/SAR10.2	-	3
150	-	SA-/SAR10.2	-	3
175	-	SA-/SAR10.2	-	3
200	-	SA-/SAR10.2	-	1
		SA-/SAR14.2	-	3

part	designation	material
1	upper part of the body '1)	GG 25
2	lower part of the body '1)	GG 25
3	rubber lining	NR (+85°C)
4	pressure part	GGG
5	pin	steel
6	guiding nut	GG 25
7	stem	1.4021
8	bolts with nuts	zinc-coated steel
9	holding disc	zinc-coated steel
10	holding screw	zinc-coated steel

'1) parts 1 and 2 to be ordered together only.

**Range of application:**

acids, alkaline solutions, aggressive liquids, sludges, waste water, sand-water mixtures, ore-sludge and coal-silt, abrasive media, powdery products (like e.g. cement, lime, gypsum etc.), mineral oil, water, air, neutral media, liquids containing solids, crystallizing media, highly viscous media, syrup, juices, mash.

**Construction:**

with mounting flange ISO 5210 F 10 or F 14  
with non-turning stem, free and smooth opening passage, without stuffing box, with interchangeable rubber lining, with controlled operation, body with polyester powder coating.

**Materials:**

see table (other materials on request)

**Operating pressure:**

DN 15 - 80 max. 6 bar  
DN 100 max. 5 bar  
DN 125 - 200 max. 3 bar

**Operation:**

with electric actuators  
(as per type sheets 1200.1203, 1200.1204 u. 1200.1205)

**Flange connection:**

DIN 2501, PN 16, DIN 2533 / EN 1092-2, PN 16  
DN 200 = DIN 2501 PN 10, DIN 2532 / EN 1092-2, PN 10

**Special Constructions:**

in bigger sizes and for higher pressure stages,  
rubber lining in quality NR food or heat resistant,  
" in quality Perbunan NBR or Neoprene CR,  
" in quality Butyl IIR, Hypalon CSM, or EPDM.

An assignment of the actuator can only be effected after presentation of the operating data.

Please quote the medium, concentration, temperature, max. and min. working pressure in inquiries and orders.

We reserve the right to alter technical data.



STOP AND CONTROL VALVES

Hose Diaphragm Valves  
 with mounting flange for pneumatic actuators

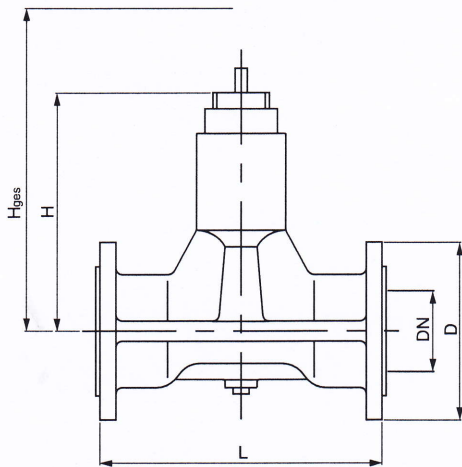


Fig. 104 A

DN	L	ØD	H	B <sup>1)</sup>	stroke	KVS values	weight appr. kgs
15	130	95	100	105	22	5	6
20	150	105	105	128	22	17	6,6
25	160	115	110	128	28	35	8
32	180	140	128	134	42	50	10
40	200	150	145	155	43	115	12,7
50	230	165	135	178	44	160	14
65	290	185	170	240	40	170	23
80	310	200	213	245	52	289	26,5
100	350	220	325	290	68	347	45
125	400	250	372	350	105	722	58
150	480	285	470	410	125	950	83
175	550	315	500	465	145	1021	124
200	600	350	500	539	136	1725	132

dimensions in mm

H<sup>tot</sup> = H (valve) + H<sub>1</sub> (actuator), <sup>1)</sup> max. valve width (not drawn)

assignment of the actuators		
DN	pneumatic	
	type 1200.1201 type 1200.1201 A	operating pressure max. bar
15	U0	6
20	U0	6
25	U0	6
32	U0	6
40	UI	6
50	UI	6
65	UIII	6
80	UIII	6
100	UIII	5
125	UV	3
150	UV	3
175	UV	3
200	UV	3

**Range of application:** Acids, alkaline solutions, aggressive liquids, sludges, waste water, sand-water mixtures, ore-sludge and coal-silt, abrasive media, powdery products (like e.g. cement, lime, gypsum etc.), mineral oil, water, air, neutral media, liquids containing solids, crystallizing media, highly viscous media, syrup, juices, mash.

**Construction:** with connecting piece and holding thread, with turning stem, free and smooth opening passage, without stuffing box, with interchangeable rubber lining, with controlled operation, body with polyester powder coating.

**Materials:** see table (other materials on demand).

**Operating Pressure:**  
 DN 15 - 80 max. 6 bar  
 DN 100 max. 5 bar  
 DN 125 - 200 max. 3 bar

**Operation:** with pneumatic actuators  
 (as per type sheets 1200.1201 u. 1200.1202)

**Flange Connection:** DIN 2501, PN 16, DIN 2533 / EN 1092-2, PN 16  
 DN 200 = DIN 2501 PN 10, DIN 2532 / EN 1092-2, PN 10

**Special constructions:** in bigger sizes and for higher pressure stages,  
 rubber lining in quality NR food or heat resistant,  
 " in quality Perbunan NBR or Neoprene CR,  
 " in quality Butyl IIR, Hypalon CSM, or EPDM.

part	designation	material
1	upper part of the body <sup>1)</sup>	GG 25
2	lower part of the body <sup>1)</sup>	GG 25
3	rubber lining	NR (+85°C)
4	pressure part	GGG
5	divided ring	steel
6	guiding nut	GG 25
7	stem	1.4021
8	bolts with nuts	zinc-coated steel
9	holding disc	zinc-coated steel
10	holding screw	zinc-coated steel

<sup>1)</sup> parts 1 and 2 to be ordered together only.

An assignment of the actuator can only be effected after presentation of the operating data.

Please quote the medium, concentration, temperature, max. and min. working pressure in inquiries and orders.

We reserve the right to alter technical data.





## Hose Diaphragm Valves with mounting flange for piston actuators

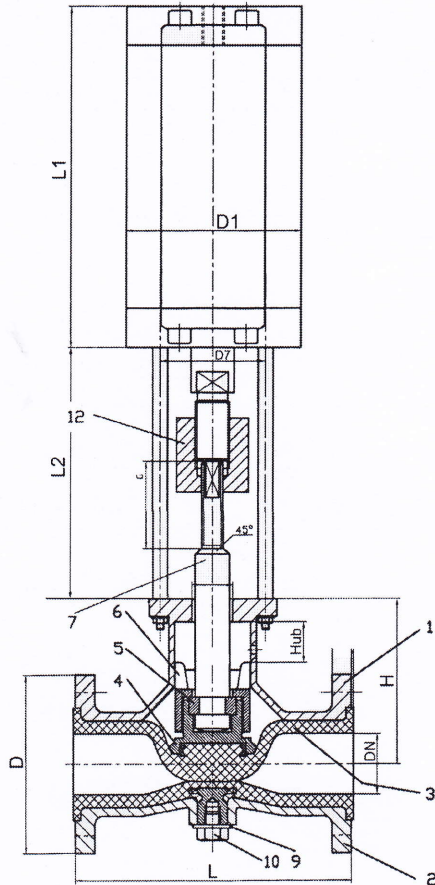


Fig. 104 B

DN	L	L1	L2	ØD	D1	D7	H	B <sup>1)</sup>	stroke	KVS values	weight approx. kgs
15	130	104	104	95	108	70	100	131	22	5	6
20	150			105			105	131	22	17	6,6
25	160			115			131	28	35	8	
32	180	114	114	140	135	102	128	134	42	50	10
40	200			150			145	163	43	115	12,7
50	230			165			135	178	44	160	14
65	290	154	154	185	170	102	170	240	40	170	23
80	310			200			213	245	52	289	26,5
100	350			220			325	290	68	347	45
125	400	154	154	250	260	102	372	350	105	722	58
150	480			285			470	410	125	950	83
175	550			315			500	465	145	1021	124
200	600			350			500	539	136	1725	132

dimensions in mm

<sup>1)</sup> max. valve-/actuator width (not drawn)

assignment of the actuators		
DN	pneumatic	
	type 1200.1202	operating pressure max. bar
15	DLP100-30A	6
20	DLP100-30A	6
25	DLP100-30A	6
32	DLP100-30A	6
40	DLP125-50A	6
50	DLP125-50A	6
65	DLP160-50A	6
80	DLP160-50A	6
100	DLP160-70A	5
125	DLP250-130A	3
150	DLP250-130A	3
175	DLP250-140A	3
200	DLP250-140A	3

**Range of application:** acids, alkaline solutions, aggressive liquids, sludges, waste water, sand-water mixtures, ore-sludge and coal-silt, abrasive media, powdery products (like e.g. cement, lime, gypsum etc.), mineral oil, water, air, neutral media, liquids containing solids, crystallizing media, highly viscous media, syrup, juices, mash.

**Construction:** with flange connection ISO 5210 F 10 or F14, with turning stem, with lantern piece, free and smooth opening passage, without stuffing box, with interchangeable rubber lining, with controlled operation, body with polyester powder coating.

**Materials:** see table (other materials on demand).

**Operating Pressure:** DN 15 - 80 max. 6 bar  
DN 100 max. 5 bar  
DN 125 - 200 max. 3 bar

**Operation:** with pneumatic piston actuator, double-acting, (as per type sheet 1200.1202)

**Flange Connection:** DIN 2501, PN 16, DIN 2533 / EN 1092-2, PN 16  
DN 200 = DIN 2501 PN 10, DIN 2532 / EN 1092-2, PN 10

**Special constructions:** in bigger sizes and for higher pressure stages, rubber lining in quality NR food or heat resistant, rubber lining in quality Perbunan NBR or Neoprene CR, rubber lining in quality Butyl IIR, Hypalon CSM or EPDM.

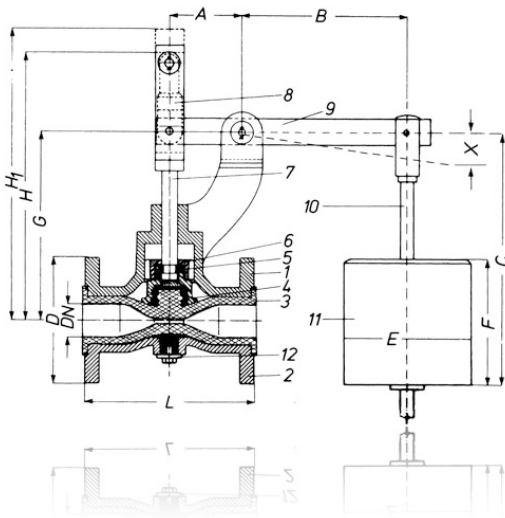
part	designation	material
1	upper part of the body <sup>1)</sup>	GG 25
2	lower part of the body <sup>1)</sup>	GG 25
3	rubber lining	NR (+85°C)
4	pressure part	GGG
5	divided ring	steel
6	guiding nut	GG 25
7	stem	1.4021
9	holding disc	zinc-coated steel
10	holding screw	zinc-coated steel
12	coupling	stainless steel

<sup>1)</sup> parts 1 and 2 to be ordered together only.

An assignment of the actuator can only be effected after presentation of the operating data.

Please quote the medium, concentration, temperature, max. and min. working pressure in inquiries and orders.

We reserve the right to alter technical data.



DN	L	ØD	H	H <sub>1</sub>	A	B	B <sup>1)</sup>	C	G	X	weight approx. kgs
20	150	105	250	270	60	1000	128	1000	180	410	6,5
25	160	115	245	270	60	1000	128	1000	180	450	7,5
32	180	140	260	290	60	1000	134	1000	190	560	9,5
40	200	150	305	340	70	1000	155	1000	230	470	18
50	230	165	340	375	80	1000	178	1000	240	437	18,5
65	290	185	380	420	75	1000	240	1000	260	470	27
80	310	200	405	455	90	1000	245	1000	290	600	33

dimensions in mm  
<sup>1)</sup> max. valve width (not drawn)

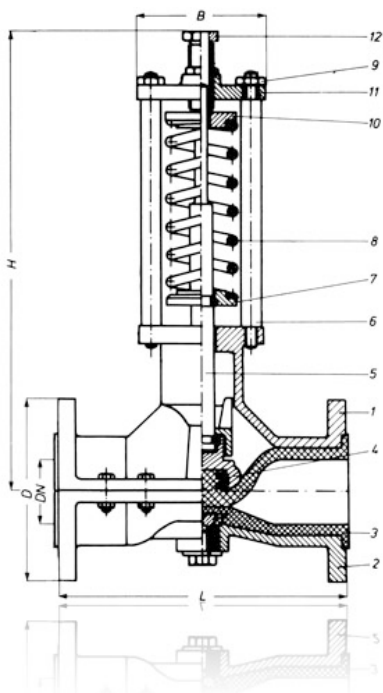
**float measures E and F at max. working pressure in bar <sup>2)</sup>**

DN	1	2	3	4	5	6
20	280	305	305	340	380	380
25	305	340	340	380	380	380
32	305	340	340	380	380	380
40	340	380	380	420	420	460
50	340	380	380	420	460	460
65	420	460	500	500	600	600
80	420	460	500	600	600	600

dimensions in mm  
<sup>2)</sup> smaller floats for longer lever arms on request.

part	designation	material
1	upper part of the body <sup>1)</sup>	GG 25
2	lower part of the body <sup>1)</sup>	GG 25
3	rubber lining	NR
4	pressure part	GGG
5	guiding nut	steel
6	divided ring	GG 25
7	stem	brass
8	fork piece	gunmetal
9	lever	steel
10	float rod	steel (VA)
11	float	steel (VA / copper)
12	holding disc / screw	steel

<sup>1)</sup> parts 1 and 2 to be ordered together only.



DN	L	ØD	H	B	B, *)	weight appr.kgs
15	130	95	290	110	105	6
20	150	105	295	110	128	7
25	160	115	320	130	128	8,3
32	180	140	335	130	134	10,6
40	200	150	365	130	155	14,4
50	230	165	355	130	178	16,3
65	290	185	470	130	240	25,5
80	310	200	513	130	245	30
100	350	220	756	205	290	60
125	400	250	925	270	350	85
150	480	285	985	270	410	110

dimensions in mm  
 \*) max. valve width (not drawn)



part	designation	material
1	upper part of the body *)	GG 25
2	lower part of the body *)	GG 25
3	rubber lining	NR (+85°C)
4	pressure part compl.	GGG
5	stem	stainless steel
6	building construction	steel
7	spring plate below	steel
8	spring	zinc-coated steel
9	nuts	steel
10	spring plate above	steel
11	bridge	steel
12	pressure screw	brass

\*) parts 1 and 2 to be ordered together only.