

5.57

**WAFER-TYPE NON-RETURN VALVE  
NOISE DIFFUSER - VACUUM BREAKER**



VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

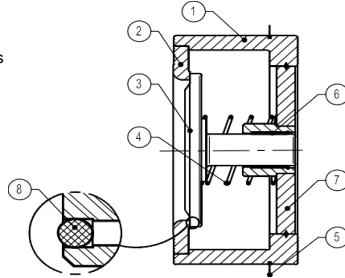
**RD40**

**WAFER-TYPE NON-RETURN VALVE**

**PN40**

**Ø 5" - Ø 8"  
DN125 - DN200**

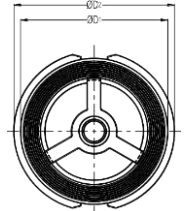
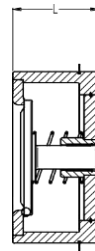
- OPTION**  
Soft sealing :  
EPDM(E),NBR(N),VITON(V),PTFE (T),Inconel springs
- USE**  
Saturated steam, water and other gases (Group 2) compatible with the construction.
- MODELS**  
RD40
- CONNECTIONS**  
Sandwiched between flanges as for EN 1092 or ANSI.
- INSTALLATION**  
Horizontal or vertical installation  
See IML, installation and maintenance instructions.



MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Valve body	S355J2G3 / 1.0570
2	Seat	AISI316 / 1.4401
3	*Disc	AISI316 / 1.4401
4	*Spring	AISI302 / 1.4300
5	Centering ring	AISI304 / 1.4301
6	Bearing	Steel Fe Zn
7	Star	S355J2G3 / 1.0570
8	*Soft seal	See options

BODY LIMITING CONDITIONS	
ALLOW. PRES.	RELATED TEMP.
40 bar	100 ° C
33,7 bar	200 ° C
31,8 bar	250 ° C
29,7 bar	300 ° C
Minimum operating temperature: 20°C	

DN	DIMENSIONS (mm)					L	Weight Kg
	D1 PN10/16	D2 PN25	D2 PN40	D2 ANSI150	D2 ANSI300		
125	192	192	192	192	216	90	11
150	218	226	226	218	251	106	13,5
200	273	286	293	273	308	140	24



Minimum opening pressures with standard spring in mbar				
DN		125	150	200
D.P.	▲	37	40	46
D.P.	▶	22	25	28
D.P.	▼	7	10	10

Flow direction. →

CE MARKING (PED - European Directive)	
PN 40	Category
DN125 - DN200	Category 2 (CE marked)

Recommended limit of operation with soft seats ( °C)			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130°	95°	180°	180°

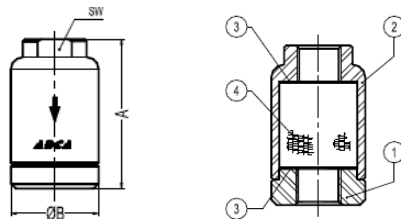
**DF15  
DF16**

**NOISE DIFFUSER**

**PN40**

**Ø 1/2" - Ø 3/4" - Ø 1"  
DN15 - DN20 - DN25**

- OPTIONS**  
Outlet without thread, suitable for direct discharge to atmosphere ( DF16 ).
- USE**  
Saturated steam and compressed air.  
On the discharge of steam or air traps, blowdown valves, air cylinders etc.
- MODELS**  
DF15 and DF16.
- CONNECTIONS**  
Female screwed ISO 7/1 Rp (BS21)
- INSTALLATION**  
Horizontal or vertical installation.  
Before installing the diffuser, blow all dirt and scale from the system.  
Diffuser discharge must be oriented towards the floor or other suitable enclosure.



SEZ DN	DIMENSIONS (mm)			Weight Kg
	A	B	SW	
1/2"	80	45	36	0,9
3/4"	80	45	36	0,9
1"	90	45	40	1,3

MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Body	AISI304 / 1.4301
2	Cover	AISI304 / 1.4301
3	Strainer screen	AISI304 / 1.4301
4	Element	AISI304 / 1.4301

PMA - Max. allowable pressure	40	bar
TMA - Max. allowable temperature	400	°C
PMO - Max. operating pressure	32	bar
TMO - Max. operating temperature	250	°C
How to order: i.e. DF15 DN 1/2" BSP		

**VB21**

**VACUUM BREAKER**

**PN25**

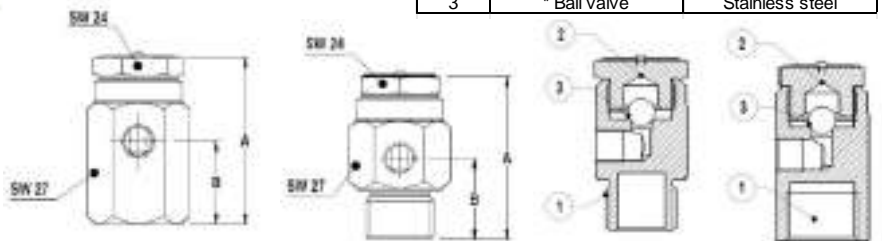
**Ø 1/2"  
DN15**

- USE**  
Saturated and saturated steam.
- MODELS**  
VB21; VB21M
- CONNECTIONS**  
System, vertical connection 1/2"  
Air inlet, horizontal connection 1/8"  
VB21-Female screwed ISO 7-1 Rp (BS21)  
VB21M-Male screwed ISO 7-1 R (BS21)
- INSTALLATION**  
Vertical installation angled connection.  
See IML, installation and maintenance instructions.
- LIMITING CONDITIONS**  
13 bar at 400 °C  
21 bar at 220 °C



MODEL	DIMENSIONS (mm)		WGT. Kgs
	A	B	
VB21	50	25	0,17
VB21M	50	25	0,13

MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Body	AISI303 / 1.4305
2	Cover	AISI303 / 1.4305
3	* Ball valve	Stainless steel



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NON-RETURN VALVE



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RT25

NON-RETURN VALVE

PN25

Ø 1/4" - Ø 2"

- OPTION**  
Soft sealing : EPDM(E),NBR(N),VITON(V),PTFE (T).
- Inconel springs
- USE**  
Saturated steam, water and other gases (Group 2) compatible with the construction.
- MODELS**  
RT25
- CONNECTIONS**  
Female screwed ISO 7/1 Rp (BS21)
- INSTALLATION**  
Horizontal or vertical installation  
See IMI, installation and maintenance instructions.

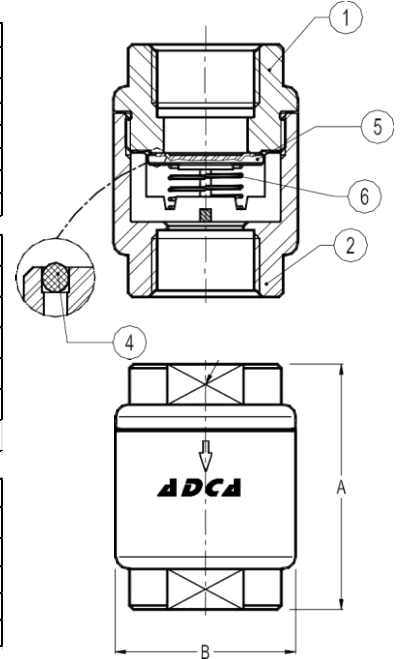


MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Valve body	AIS316 / 1.4401
2	Cover	AIS316 / 1.4401
4	*Soft seal	See options
5	*Valve disc	AIS316 / 1.4401
6	*Spring	AIS302 / 1.4300

\*Available spare parts

Minimum opening pressures with standard spring in mbar								
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
D.P. ▲	25	25	25	25	25	25	28	29
D.P. ►	23	23	23	23	23	24	25	25
D.P. ▼	21	21	21	21	21	21	21	21
*D.P. ▲	2	2	2	2	2	3	4	4

\* Vertical installation w ithout springs ( bottom to top ).      ► Flow direction.



Recommended limit of operation with soft seats ( °C )			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130°	95°	180°	180°

CE MARKING	
PN 25	Category
DN 1/4" to DN 1 1/2"	SEP - art. 3, paragraph3
DN 2"	Category1 (CE marked)

DIMENSIONS (mm)								
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	55	55	55	60	70	61	72	72
B	40	40	40	45	50	65	80	80
SW	27	27	27	32	41	50	55	70
Kgs	0,3	0,3	0,3	0,38	0,54	0,68	0,96	1,13

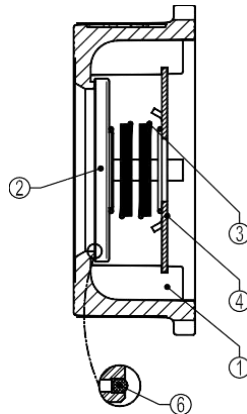
RD40

WAFER-TYPE NON-RETURN VALVE

PN40

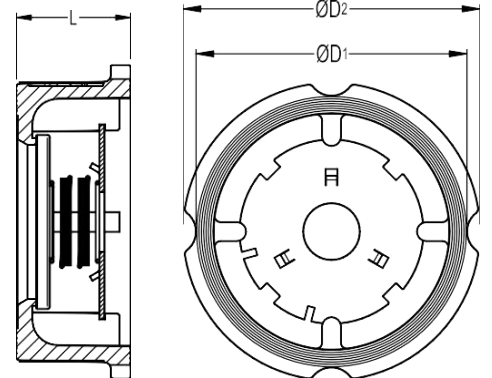
Ø 1/2" - Ø 4"  
DN15 - DN100

- OPTION**  
Soft sealing : EPDM(E),NBR(N),VITON(V),PTFE (T).
- Inconel springs
- USE**  
Saturated steam, water and other gases (Group 2) compatible with the construction.
- MODELS**  
RT40
- CONNECTIONS**  
Sandwiched between flanges as per EN 1092 or ANSI.
- INSTALLATION**  
Horizontal or vertical installation  
See IMI, installation and maintenance instructions.



MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Valve body	CF8M / 1.4408
2	*Disc	AIS316 / 1.4401
3	*Spring	AIS302 / 1.4300
4	Star	AIS316 / 1.4401
6	* Soft seal	See options

\*Available spare parts



BODY LIMITING CONDITIONS	
Press. bar	Temp. °C
40 bar	100 °C
33,7 bar	200 °C
31,8 bar	250 °C
29,7 bar	300 °C
Minimum operating temperature: -10°C	

CE MARKING (PED - European Directive)	
PN 40	Category
DN15 to DN32	SEP
DN40 to DN100	Category1 (CE Marked)

Recommended limit of operation with soft seats ( °C )			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130°	95°	180°	180°

Minimum opening pressures with standard spring in mbar										
DN	15	20	25	32	40	50	65	80	100	
D.P. ▲	25	25	25	27	28	29	30	31	33	
D.P. ►	23	23	23	24	25	25	26	26	27	
D.P. ▼	21	21	21	21	21	21	21	21	21	
*D.P. ▲	2	2	2	3	4	4	5	5	6	

\* Vertical installation w ithout springs ( bottom to top ).      ► Flow direction.

DIMENSIONS (mm)										
DN	15	20	25	32	40	50	65	80	100	
D1	43	53	64	75	86	96	115	132	152	
D2	50	60	70	81	91	105	126	141	167	
L	17	20	23	28	32	40	46	50	60	
Kgs	0,18	0,2	0,25	0,5	0,7	1,3	1,7	2,8	4,5	

7.01

## THREADED CHECK VALVE

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VR 101

## SPRING BRASS DISC CHECK VALVE - PN 10



Application : water - gasoline  
 Body : OT 58 Brass  
 Disc : Hostaform  
 Sealling : FPN  
 Temp. max. : 90°C  
 Pressione max. : 10 bar  
 mounting : horizontal or vertical  
 Ends details : gas threaded female/female  
 on request male/female.

code	Ø	L
VR10103	3/8"	45
VR10104	1/2"	45
VR10105	3/4"	50
VR10106	1"	58
VR10107	1 1/4"	64
VR10108	1 1/2"	69
VR10109	2"	77
VR10110	2 1/2"	87
VR10111	3"	102

VR 103

## SPRING CARBON STEEL DISC CHECK VALVE



Application : air - water - steam - dathermic oil  
 Body : acciaio ASTM A105  
 Disc : AISI ASTM A 182F316  
 mounting : horizontal or vertical  
 end details : F/F threaded Gas - NPT - SW

Code	Sealling	PN	Temp.max
VR103..	VITON	PN 30	150°C
VR104..	TEFLON	PN 100	180°C

code	Ø	L
VR...02	1/4"	80
VR...03	3/8"	80
VR...04	1/2"	65
VR...05	3/4"	75
VR...06	1"	80
VR...07	1 1/4"	90
VR...08	1 1/2"	95
VR...09	2"	100

VR 300

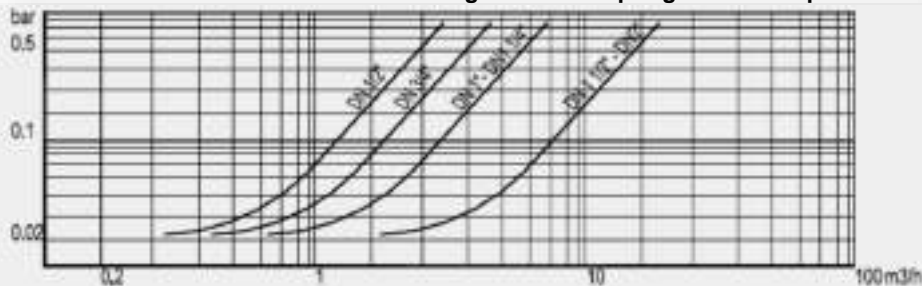
## SPRING AISI316 DISC CHECK VALVE - PN32



Application : acqua-vapore-acidi-basi  
 Body : AISI 316  
 Disc : AISI  
 Sealling : leakproof  
 montaggio : horizontal or vertical  
 end details : F/F threaded Gas - NPT - SW

code	seating	temp.max
VR 300..	metal/metal	400°C
VR 301..	NBR	110°C
VR 302..	EPDM	120°C
VR 303..	FPM	160°C
VR 304..	PTFE	200°C

Flow resistance - horizontal outting - standard spring - water temperature 20°C



code	Ø	L
VR...03	3/8"	55
VR...04	1/2"	55
VR...05	3/4"	60
VR...06	1"	70
VR...07	1 1/4"	71
VR...08	1 1/2"	72
VR...09	2"	72

VR 105

## "Y" SPRING AISI316 CHECK VALVE - PN40



Application : water - steam - acid - basic  
 Body : AISI 316  
 Disc : AISI 316  
 Sealling : PTFE  
 Temp. max. : -20°C a +200°C  
 Pressione max. : 40 bar a 120°C  
 Pressione mim. : 0,15 bar  
 End details : F/F threaded Gas

code	Ø	L	H
VR10503	1/4"-3/8"	65	46,5
VR10504	1/2"	65	46,5
VR10505	3/4"	80	68,5
VR10506	1"	90	71
VR10507	1 1/4"	105	74
VR10508	1 1/2"	120	82,5
VR10509	2"	140	95
VR10507	2 1/2"	180	121

## VR 106

## THREADED BRASS ONDASTOP CHECK VALVE - PN 16.



The closing of the membrane is slowly with proportional movements to the reduction of flow in the pipe line. Besides its closing which comes before the reversal of flow, does not cause water hammer.

**Application** : clean and dirty water  
**Rubber membrane** : reinforced with 2 internal sheets-metal.  
**Temp. max.** : 60°C (on request 90°C)  
**Pressione max.** : 16 bar  
**mounting** : horizontal or vertical

code	Ø	L
VR10604	1/2"	86
VR10605	3/4"	86
VR10606	1"	100
VR10607	1 1/4"	122
VR10608	1 1/2"	128
VR10609	2"	162
VR10610	2 1/2"	190
VR10611	3"	240

## VR 108

## BRONZE CLAPET CHECK VALVE - PN 16



**Application** : acqua - aria  
**Body** : Bronzo  
**Disc** : ottone ot 58  
**Pressione max.** : 16 bar  
**mounting** : horizontal  
**end details** : F/F threaded Gas - NPT

code	seal
VR107..	METALLIC
VR108..	NBR

code	Ø	L	H
VR...03	3/8"	54	26
VR...04	1/2"	58	30
VR...05	3/4"	70	36
VR...06	1"	80	47
VR...07	1 1/4"	95	50
VR...08	1 1/2"	105	55
VR...09	2"	128	70
VR...10	2 1/2"	155	80
VR...11	3"	175	90

## VR 109

## THREADED BRONZE MUSHROOM SPRING CHECK VALVE - PN16



**Application** : water - air  
**Body** : Bronze  
**Disc** : OT58 brass  
**Sealing** : PTFE  
**Temp. max.** : 180°C  
**Pressione max.** : 16 bar  
**mounting** : horizontal or vertical  
**end details** : F/F threaded Gas

code	Ø	L	H
VR10903	3/8"	54	26
VR10904	1/2"	58	30
VR10905	3/4"	70	36
VR10906	1"	80	47
VR10907	1 1/4"	95	50
VR10908	1 1/2"	105	55
VR10909	2"	128	70

## VR 110

## FLANGED BRONZE CLAPET CHECK VALVE - PN 16



**Application** : water - air  
**Body** : Bronze  
**Disc** : OT58 BRASS  
**Max Pressure** : 16 bar  
**mounting** : horizontal

code	sealing
VR110..	METALLIC
VR111..	NBR

code	Ø	L	H
VR...08	40	130	75
VR...09	50	150	82,5
VR...10	65	175	92,5
VR...11	80	180	100
VR...12	100	220	110

## VR 112

## FLANGED BRONZE MUSHROOM SPRING CHECK VALVE - PN16



**Application** : water - air  
**Body** : Bronze  
**Disc** : OT58 brass  
**Sealing** : PTFE  
**Temp. max.** : 180°C  
**Pressione max.** : 16 bar  
**mounting** : horizontal or vertical

code	Ø	L	H
VR11208	40	130	75
VR11209	50	147	82,5
VR11210	65	180	92,5
VR11211	80	207	100
VR11212	100	219	110



FOR ANSI TYPE PLEASE VISIT PAGES 3.75 AND 3.78



7.03

## FLANGED CHECK VALVE

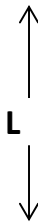
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## VR 115

## PN 16 CAST IRON VERTICAL CHECK VALVE - IN GHISA - UNI FLANGED



Application : water - pure fluids not aggressive  
 Body and seat : GG 25 cast iron  
 Disc : GG 25 cast iron  
 Sealling : rubber  
 Temp.max : 120°C  
 Press. a 120°C : 16 bar  
 End details : UNI PN16 flanged

codice	DN	L
VR11508	40	180
VR11509	50	200
VR11510	65	240
VR11511	80	260
VR11512	100	300
VR11513	125	350
VR11514	150	400
VR11515	200	500

## VR 117

## FLANGED CAST IRON CHECK VALVE - PN 16



Application : water - pure fluids  
 Body and seat : GG 25 cast iron  
 Disc : GG 25 cast iron  
 Sealling : NBR  
 Temp.max : 120°C  
 Press. a 120°C : 16 bar  
 End details : UNI PN16 flanged

codice	DN	L
VR11709	50	100
VR11710	65	120
VR11711	80	140
VR11712	100	170
VR11713	125	200
VR11714	150	230
VR11715	200	300
VR11716	250	370

## VR 118

## FLANGED CAST IRON VENTURI CHECK VALVE - PN 16/25/40/64

code	VR...08	VR...09	VR...10	VR...11	VR...12	VR...13	VR...14	VR...15	VR...16	VR...17	VR...18	VR...19	VR...20
DN	40	50	65	80	100	125	150	200	250	300	350	400	450
L	120	120	150	180	240	300	350	400	450	500	600	700	750



code	VR...21	VR...22	PN10>40 VR...23	VR...24	VR...25	VR...26
DN	500	600	700	800	900	1.000
L	850	1.000	1.300	1.300	1.500	1.600

code	PN
VR118..	PN 16
VR119..	PN 25/40
VR120..	PN 64



body GS 400  
 disc GS 400

stem AISI  
 gasket rubber

\* mounting in any direction

## VR 128

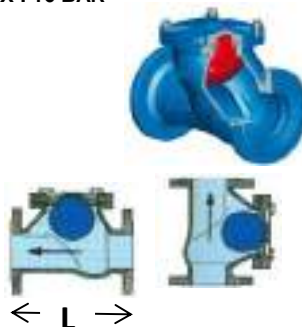
## SEWER WATER BALL CHECK VALVE - PN 16

BODY : NODULAR CAST IRON GGG50  
 BALL : EPDM  
 EPOXY VARNISH RAL5010

TEMPERATURA MAX : -10/+70 °C  
 PRESSURE MAX : 16 BAR



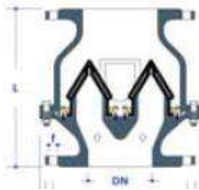
GAS THREADED FF		
CODE	Ø	L
VR12906	1"	125
VR12907	1¼"	132
VR12908	1½"	145
VR12909	2"	175
VR12910	2½"	200
VR12911	3"	245



FLANGED		
CODE	DN	L
VR12808	50	180
VR12809	65	200
VR12810	80	240
VR12811	100	260
VR12812	125	300
VR12813	150	350
VR12814	200	400
VR12815	250	500
VR12816	300	600
VR12817	350	700

## VR 180

## FLANGED CAST IRON ONDASTOP MEMBRANE CHECK VALVE - PN 16



Valve particularly suitable for circuits with the presence of strong water hammers or fluids with solid or filamentary parts in suspension

Application : clean e dirty water  
Body : GG 25 cast iron  
Rubber membrane : einforced with internal sheets-metal.

Temp. max. : 60°C  
Press. A 120°C : 16 bar  
End details : flanged PN16  
On request we can also propose price even for ONDASTOP valve type "B" suitable for hot water to 95°C

code	DN	L
VR18009	50	200
VR18010	65	240
VR18011	80	260
VR18012	100	300
VR18013	125	350
VR18014	150	400
VR18015	200	500
VR18016	250	600
VR18017	300	700
VR18018	350	800
VR18019	400	900

## VR 124

## FLANGED CAST IRON STREAMLINED FLOW CHECK VALVES



CODE	BODY	PN	PRESS.	TEMP.
			bar	working
VR124..	GG25	16	16	120°C
			9,6	300°C
VR 125..	GGG40.3	16	16	120°C
			11,2	350°C
VR 126..	GGG40.3	25	25	120°C
			17,5	350°C

INLET COMPONENTS IN STAINLESS STEEL

code	DN	L	H
VR...04	15	130	73
VR...05	20	150	73
VR...06	25	160	78
VR...07	32	180	90
VR...08	40	200	105
VR...09	50	230	113
VR...10	65	290	143
VR...11	80	310	150
VR...12	100	350	165
VR...13	125	400	185
VR...14	150	480	205
VR...15	200	600	245
VR...16	250	730	313

## VR 127

## FLANGED CARBON STEEL STREAMLINED FLOW CHECK VALVES - PN 40



Body and Disc : carbon steel  
inlet components : AISI

end details on request : BW (butt weldng)

BODY	PRESS.	TEMP.
	bar	°C
P 250 GH	40	50
	37,3	100
	30,2	200
	25,8	300
	23,1	400

code	DN	L	H
VR12704	15	130	84
VR12705	20	150	88
VR12706	25	160	93
VR12707	32	180	96
VR12708	40	200	108
VR12709	50	230	120
VR12710	65	290	171
VR12711	80	310	200
VR12712	100	350	215
VR12713	125	400	238
VR12714	150	480	250
VR12715	200	600	305
VR12716	250	730	360

## Standard reference conditions about working pressure (bar) and temperature (°C)

Materials		PN	-10°	100°	120°	150°	200°	250°	300°	350°	400°
gray cast iron	GG 25	PN 16	16	16	16	14,4	12,8	11,2	9,6	-	-
Nodular Cast iron	GGG 40.3	PN 16	16	16	16	15,5	14,7	13,9	12,8	11,2	-
	GGG 40.3	PN 25	25	25	25	24,3	23	21,8	20	17,5	-
Carbon steel	GS C25N	PN 40	40	40	40	37	35	32	28	24	21
Stainless steel	GX5CrNiMo	PN 40		31,1	29,2	27,5	25,8	24	22,6	21,3	20,4

# 7.05

# WAFER CHECK VALVE

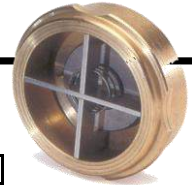
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## VR 130

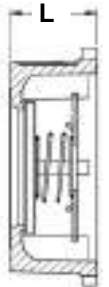
### CAST IRON - BRASS - PVC PN10-16

Application : Compatible with pure fluids  
with stainless steel spring  
Mounting in any direction



code	Body	Disc	Sealling	working pressure (BAR)				
				-10°	40°	60°	100°	120°
VR 130..	C.iron	AISI 316	NBR	16	16	16	16	-
VR 131..	Brass	AISI 316	metallic	16	16	16	16	16
VR 132..	PVC	PVC	NBR	-	10	10	-	-

cod	..04	..05	..06	..07	..08	..09	..10	..11	..12
DN	15	20	25	32	40	50	65	80	100
L	17	20	23	28	32	40	46	50	60
	17	20	22	28	32	40	46	50	60



## VR 133

### CARBON STEEL - STAINLESS STEEL - PN 40

code	Body	Disc	Standard reference conditions about working pressure (bar) and temperature (°C)									
			-10°	100°	120°	150°	200°	250°	300°	350°	400°	
VR 133...	A 105	AISI 316	40	40	40	37	35	32	28	24	21	
VR 135...	AISI 316	AISI 316		31,1	29,2	27,5	25,8	24	22,6	21,3	20,4	

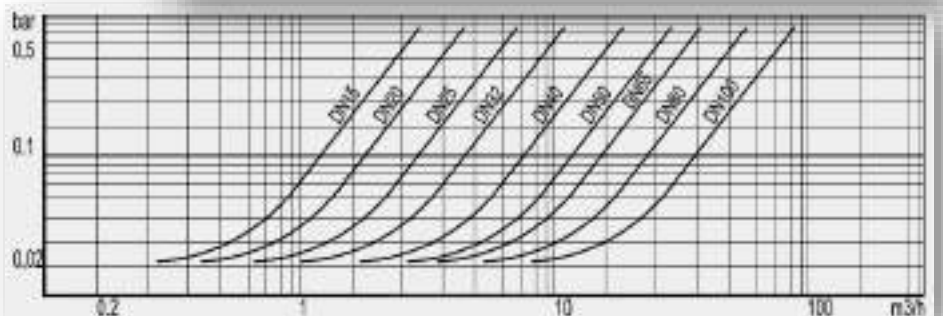
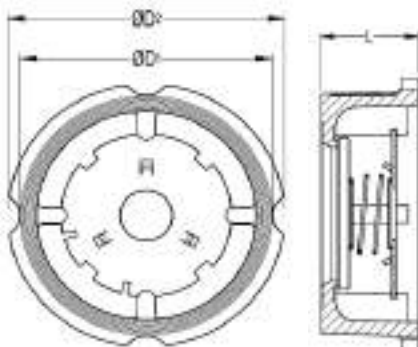
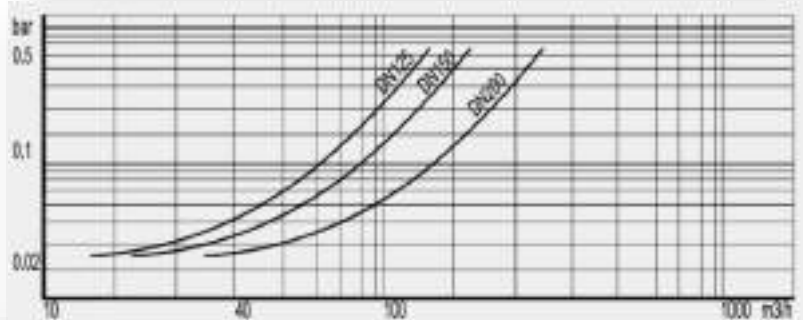
code	seal	temp.max
VR ...0..	metal/metal	400°C
VR ...1..	NBR	95°C
VR ...2..	EPDM	120°C
VR ...3..	FPM (viton)	160°C
VR ...4..	PTFE	180°C

Application : Fluidi puri compatibili  
with stainless steel spring  
Monting : in any direction  
on request : al spring already calibrated  
at 5mbar to opening



code	DIMENSION				
	DN	L	D1	D2	Kg
VR...04	15	17	43	50	0,18
VR...05	20	20	53	60	0,2
VR...06	25	23	64	70	0,25
VR...07	32	28	75	81	0,5
VR...08	40	32	86	91	0,7
VR...09	50	40	96	105	1,3
VR...10	65	46	115	126	1,7
VR...11	80	50	132	141	2,8
VR...12	100	60	152	167	4,5
VR...13	125	90	192	192	11
VR...14	150	106	218	226	13,5
VR...15	200	140	273	293	24

OPENING MIN. PRESSURE ( mBar )													
mbar	DN	15	20	25	32	40	50	65	80	100	125	150	200
without spring	↑	2	2	2	3	4	4	5	5	6	-	-	-
	→	25	25	25	27	28	29	30	31	33	37	40	46
with spring	→	23	23	23	24	25	25	26	26	27	22	25	28
	↓	21	21	21	21	21	21	21	21	21	7	10	10



## VR 153

## FLANGED - CAST IRON - CLAPET - PN 16



Application : water - pure fluids not aggressive  
 Body and seat : GG 25 cast iron  
 Clapper : brass casting  
 Sealling : rubber  
 Temp.max : 90°C  
 Press. max. : 16 bar  
 End details : PN 16 flanged  
 Mounting : horizontal or vertical

VR 153..std clapet check valve  
 VR 154..std clapet check valve w. balance weight  
*raccomandato for vertical flow line system*

code	DN	L	H
VR...08	40	180	10
VR...09	50	200	447
VR...10	65	240	122
VR...11	80	260	140
VR...12	100	300	156
VR...13	125	350	180
VR...14	150	400	205
VR...15	200	500	247
VR...16	250	600	310
VR...17	300	700	335

## VR 140

## WAFER CLAPET CHECK VALVE PN 16



Application : water - pure fluids  
 Mounting : horizontal and vertical

	CODE	SEAL	BODY	DISC
WITHOUT SPRING	VR140..	NBR	electroplated carbon steel	electroplated carbon steel
	VR141..	PTFE		
	VR142..	VITON		
	VR143..	PTFE	AISI 316	AISI 316
	VR144..	NBR		
WITH SPRING	VR145..	NBR	electroplated carbon steel	electroplated carbon steel
	VR146..	VITON		
	VR147..	VITON		
	VR148..	PTFE	AISI 316	AISI 316
	VR149..	NBR		



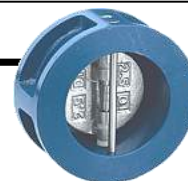
code	DN	Ø est	S
VR14.07	32	77	16
VR14.08	40	86,5	16
VR14.09	50	99	18,5
VR14.10	65	118	18,5
VR14.11	80	134	22
VR14.12	100	154	23,5
VR14.13	125	184	29
VR14.14	150	208	34,5
VR14.15	200	264	36
VR14.16	250	317	38
VR14.17	300	380	32
VR14.18	350	440	38
VR14.19	400	490	42

NBR	100°C
EPDM	120°C
FPN	160°C
PTFE	180°C

this type of valve must be mounted away from vibrating equipment  
 shall be mounted away from the pump at least 5/10 times nominal diameter

## VR 160

## DUAL PLATE WAFER CHECK VALVE



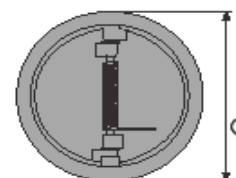
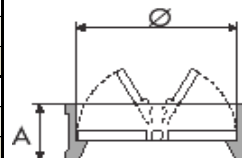
made of a sturdy body and two independent clapper

normally used in waterworks and big industrial system (big diameter)

Each disc has two springs to reduce the work. Operating temperature until 550°C

each half-disc is on own spring-return to reduce the exertion. Maximum operating temperature until 550°C

code	VR160..				VR161..			VR165..			VR166..
	body	GG 25 - PN 16			GG 25 - PN 16			AISI 316 - PN 16			AISI 316 - PN 40
	disc	GG 25			AISI 316			AISI 316			AISI 316
	seal	EPDM			EPDM			VITON			Metal/Metal
	DN	Ø	A	C	Ø	A	C	Ø	A	C	
VR...08	40	58	43	94	58	43	94	-	-	-	
VR...09	50	60	43	109	60	43	109	60	43	109	
VR...10	65	73	46	129	73	46	129	73	46	129	
VR...11	80	90	64	144	90	64	144	90	64	144	
VR...12	100	115	64	164	115	64	164	115	64	164	
VR...13	125	142	70	194	142	70	194	142	70	194	
VR...14	150	169	76	220	169	76	220	169	76	220	
VR...15	200	219	89	275	219	89	275	219	89	275	
VR...16	250	273	114	330	273	114	330	273	114	330	
VR...17	300	324	114	380	324	114	380	324	114	380	
VR...18	350	356	127	440	356	127	440	356	127	440	
VR...19	400	406	140	491	406	140	491	406	140	491	
VR...20	450	457	152	558	457	152	558	-	-	-	
VR...21	500	508	152	620	508	152	620	-	-	-	
VR...22	600	610	178	735	610	178	735	-	-	-	





7.10

## FOOT VALVE

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Valvoind

valvole industriali

## VR 201

## threaded bronze FOOT VALVE PN16

L



Application : water - gas oil - minerals oil  
 Body : Bronze  
 Disc : polipropilene  
 Seal : VITON  
 rose pipe : polyetilene  
 Temp. max. : 60°C  
 Press. to 120°C : 10 bar  
 end connections : female threaded gas

code	DN	L
VR20103	3/8"	-
VR20104	1/2"	60
VR20105	3/4"	73
VR20106	1"	81
VR20107	1 1/4"	95
VR20108	1 1/2"	103
VR20109	2"	121

## VR 203

## Threaded gas AISI 316 FOOT VALVE PN16

L



Application : water - gas oil - condensate  
 oils, bronze compatible liquids  
 Body : AISI 316  
 rose pipe : AISI 316  
 Temp. max. : 350°C  
 Seal : metal/metal  
 End connections : filettati gas femm.  
 borehole : Øhole = 1 mm

code	DN	L
VR20303	3/8"	95
VR20304	1/2"	95
VR20305	3/4"	107
VR20306	1"	126
VR20307	1 1/4"	131
VR20308	1 1/2"	142
VR20309	2"	153

## VR 205

## FLANGED CAST IRON FOOT VALVE PN10

H  
L

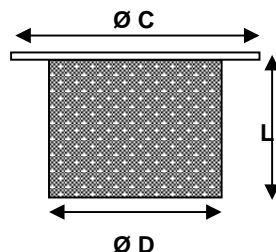
Application : water  
 Body : cast iron  
 Disc : cast iron  
 Seal : NBR  
 rose pipe : AISI 316  
 Temp. max. : -10° +100°C  
 Nominal press. : 10 bar  
 End connections : UNI PN10 flanged

code	DN	H	L
VR20508	40	180	80
VR20509	50	180	80
VR20510	65	220	100
VR20511	80	260	120
VR20512	100	320	150
VR20513	125	375	175
VR20514	150	430	200
VR20515	200	550	250
VR20516	250	670	300

## VR 215

## FLANGED STRAINER BASKET PN16

Code	Body
VR 215..	zinc plated c. steel
VR 216..	AISI 316



code	DN	Ø C	Ø D	L
VR...09	50	155	111	80
VR...10	65	175	131	100
VR...11	80	202	148	125
VR...12	100	212	158	150
VR...13	125	242	198	175
VR...14	150	276	222	200
VR...15	200	332	278	250
VR...16	250	385	329	300



Application : water  
 working press. : 16 bar

operating temp. : 100°C  
 Ø hole : 5 mm  
 End conection : UNI PN16 flanged

## VR 219

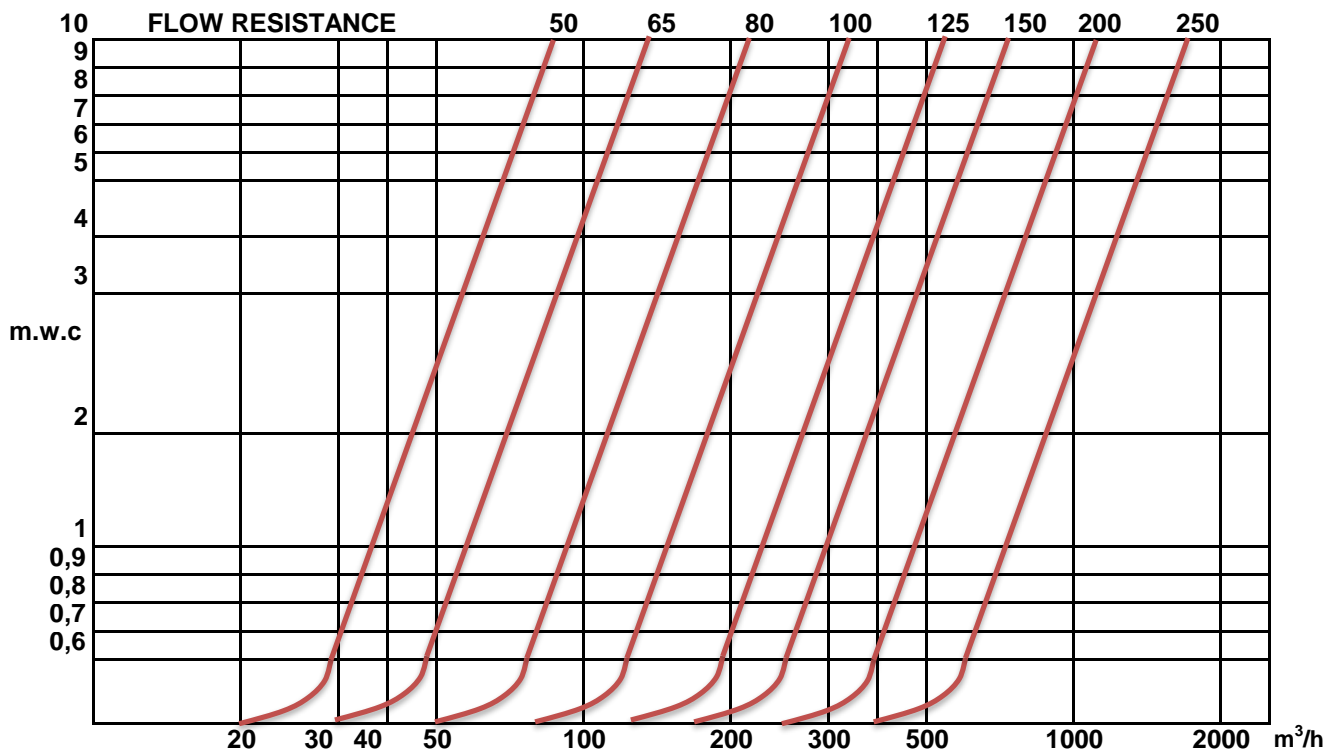
## FLANGED AISI 316 FOOT VALVE - PN 16

- body: AISI316
- flanged end connection: accord. to DIN 2501 PN16
- seal: FPM
- gasket: PTFE

## FEATURES

- Emptying manual system
- max working pressure : 16bar
- operating range temperature: from -30°C up to + 180°C

code	DN	A	D	d	H	L	T	WEIGHT	min. opening
								Kg	pressure mbar
VK21909	50	150	165	102	107	170	18	5,2	15
VK21910	65	170	185	122	115	183	18	6,9	17
VK21911	80	186	200	138	127	198	20	9,6	16
VK21912	100	229	220	158	157	242	20	14,6	15
VK21913	125	269	250	188	182	282	22	19,4	21
VK21914	150	296	285	212	201	326	22	28,9	20
VK21915	200	369	340	268	304	440	24	52,1	21



## VR 220

## DUAL PLATE FLANGED FOOT VALVE PN 16/40

This valve is composed of:  
a dual plate wafer check valve and  
a flanged rose pipe.

from DN 40 up to DN600 available  
with std hole = 1,5 mm  
different borehole on request

CODE	VALVE	SEAL	PIPE ROSE
VR 220..	C. IRON	EPDM	AISI 316
VR 222..	AISI 316	FPM	AISI 316
VR 224..	AISI 316	PTFE	AISI 316
VR 226..	AISI 316	MET/MET	AISI 316

