



ANSI VALVES

General Information

Table ANSI B 2.1 : it quotes the features of the NPT thread outlets (American Standard Taper Pipe Thread)

Table ANSI B16.5 : it quotes the flanges and thread fittings sizes for the various pressure nominal classes (see to the voice "FLANGES ") and the so called "Ratings", i.e. the allowable working pressures (even in metric units) for the various pressure nominal classes at the various temperatures and for a great variety of materials.

The "Ratings" of this table coincide with those of the Table B16.34

Table ANSI B16.10 : it states the gages of the flanged ends

Table ANSI B16.11 : it states the features of the socket welding ends

Table ANSI B16.25 : it states the features of the butt welding ends

Table ANSI B16.34 : it quotes the body minimum thickness for various kinds of valves, processing tolerances, control methods and the so called "ratings" i. e. the allowable working pressures (even in metric units) for the various pressure nominal classes at the various temperatures for a great variety of materials and for flanged or butt welding outlets

Besides the Tables ANSI , even other Tables (BS, API etc.) are commonly employed. They generally refer to thread valves and fittings or socket welding ones. Here we quote the following Tables:

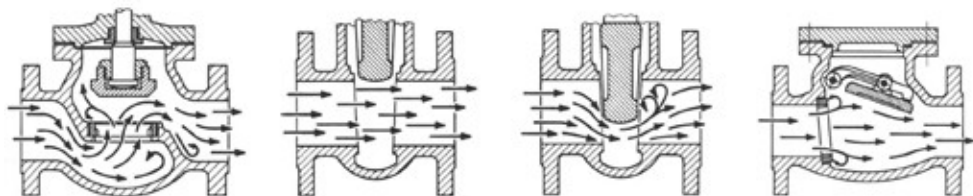
Table BS 3808 (British Standards) : it quotes the allowable pressures at the various temperatures for the series 800

Tables of the Series 1000, 2000, 3000, 4000, 6000, : they quote the temperature pressure " Ratings" for the valves and fittings of the quoted series

Extracts of the most interesting Tables are quoted in the Appendix of the catalogue

The valves ANSI in cast steel have non specific employ , whereas those in forged steel are widely employed especially in refineries and industries which deal with oil products. The general features of these valves are equal to those described in the single voices (see: interception valves, gate valves, ball valves, male plug valves , check valves , safety valves).

Flow Types



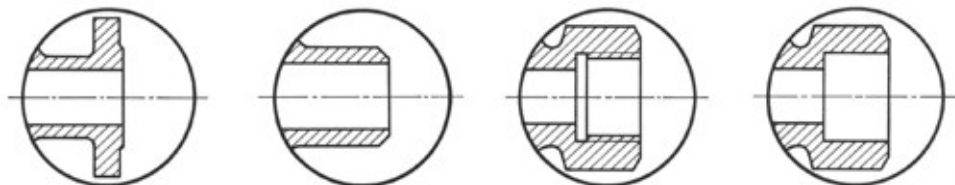
Globe Valve

Gate Valve

Partially-closed Gate Valve

Clapet

Ends



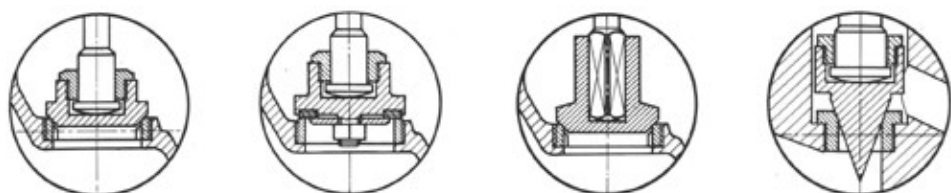
Flanged

Welding Nek

Threaded

Socked Welding

Shutters



Conical Seat

Seal

Automatic

Needle

Globe interception valves ANSI in cast steel and flanged outlets

N	45100	series 150
N	45110	series 300
N	45120	series 600
N	45130	series 900
N	45140	series 1500

Materials

The body and cover are cast steel ASTM A216 Gr. WCB
The stem and seal seats are 13% Cr stainless steel ASTM A182 Gr. F6

Features

This interception and regulation valve with non specific employ is suitable for water, steam, oil, fuels, air, gas. etc.

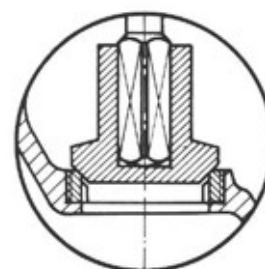
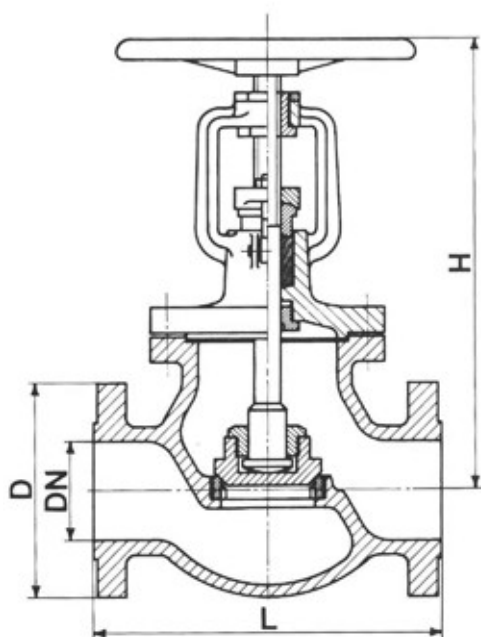
Outside screw ground stem - Plug conic disc shutter - conic seat seal seat screwed on the body and

provided with raised faces for an easy substitution - back sealing shutter for the substitution of the gland gaskets under pressure at open valve - eye - balls gland bolts - cover bolted on the body.
The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

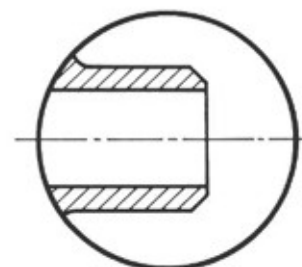
Options

- C** with non-return shutter. The shutter is connected to the stem by means of a prismatic guide which allows it to effect a locking equal to that of a check valve / as in the check valves)
- W** with buttwelding outlets ANSI B 16.25 and gages equal to those of the flanged patterns.
- Z** flanged with Ring-Joint or ANSI gains

Art. 45100	Body hydraulic test :450 psi equal to 31 bar.									
Serie 150	Working Pressure: 285 psi at 100°F equal to 19,6 bar at 38 °C. For other temperatures and materials see the table ANSI B 16.34 - 1981									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	127	152	170	190	229	254	280	343	406	483
L	165	203	216	241	292	356	406	495	622	698
H	330	350	400	435	500	535	585	697	800	900
≈ kg	15	21	34	36	60	78	112	170	255	380



Variant C



Variant W

Art. 45100	Serie 150
45110	Serie 300
45120	Serie 600
45130	Serie 900
45140	Serie 1500

Art. 45110	Body hydraulic test: 1125 psi equal to 77 bar									
Serie 300	Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C For other temperatures and materials see the Table ANSI B 16.34 - 1981									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	156	165	190	210	254	280	318	381	445	521
L	229	267	292	318	356	400	445	559	622	711
H	360	395	445	520	560	625	680	760	840	950
≈ kg	22	32	48	58	90	135	170	385	585	860

Art. 45120	Body hydraulic test: 2225 psi equal to 153 bar							
Serie 600	Working pressure : 1480 psi at 100 °F equal to 102,1 bar at 38 °C For other temperatures and materials see the Table ANSI B 16.34 - 1981							
DN	50	65	80	100	125	150	200	
	2	2 1/2	3	4	5	6	8	
D	165	191	210	273	330	356	419	
L	292	330	356	432	508	559	660	
H	445	470	510	585	(*)	(*)	(*)	
≈ kg	41	53	74	128	285	315	585	

Art. 45130	Body hydraulic test: 3350 psi equal to 231 bar					
Serie 900	Working pressure : 2220 psi at 100 °F equal to 153,2 bar at 38 °C For other temperatures and materials see the Table ANSI B 16.34 - 1981					
DN	50	80	100	150	200	
	2	3	4	6	8	
D	216	242	292	381	470	
L	368	381	457	610	737	
H	556	750	(*)	(*)	(*)	
≈ kg	85	155	335	750	1340	

Art. 45140	Body hydraulic test: 5575 psi equal to 384 bar							
Serie 1500	Working pressure : 3705 psi at 100 °F equal to 255,3 bar at 38 °C For other temperatures and materials see the Table ANSI B 16.34 - 1981							
DN	40	50	65	80	100	125	150	200
	1 1/2	2	2 1/2	3	4	5	6	8
D	178	216	245	267	312	375	394	483
L	305	368	419	470	546	673	705	832
H	560	695	760	(*)	(*)	(*)	(*)	(*)
≈ kg	72	130	170	260	540	840	1200	1860

(*) Reduction gear. Sizes on request

"Bolted bonnet" forged steel disc interception valves ANSI with flanged outlets

N	45200	series 150
N	45210	series 300
N	45220	series 600

Materials

The body and bonnet are forged steel ASTM A 105 - the stem and seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

This interception and regulation valve is specific for oil - products, but also suitable for water, steam, air,

gas, etc.

The bonnet has raised face and it is bolted on the body - the passages into the body are obtained by mechanical processing - outside screw ground stem not in contact with the fluid - conical seat seal seat screwed on the body and provided with raised faces for an easy renewal - back sealing shutter for the renewal of the gland gaskets under pressure at open valve - eye - balls gland bolts

The flanges, sized and drilled according to the Table ANSI B 16.5 , are generally supplied with raised face and seal groove.

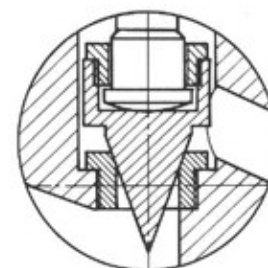
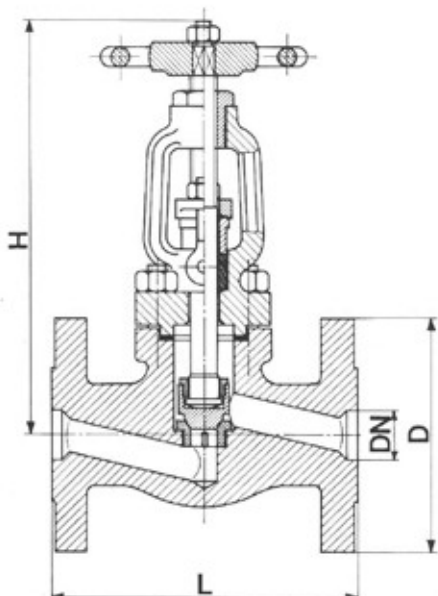
Options

S	with stellite seats
V	with untied needle shutter
Z	flanged with Ring - Joint or ANSI

Art. 45200 Serie 150	Body hydraulic test : 450 psi equal to 31 bar Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981°C					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	89	98	108	118	127	152
L	108	118	127	140	165	203
H	152	191	198	229	276	318
≈ kg	2,5	4,4	5,7	9,2	13	19

Art. 45210 Serie 300	Body hydraulic test : 1125 psi equal to 77 bar Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981°C					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	95	118	124	133	156	165
L	152	178	203	216	229	267
H	176	179	198	272	276	318
≈ kg	4,5	6,5	8,0	13	17	24

Art. 45220 Serie 600	Body hydraulic test : 2225 psi equal to 153 bar Working pressure : 1480 psi at 100 °F equal to 102,1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981°C					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	95	118	124	133	156	165
L	165	191	216	229	241	292
H	176	178	198	272	276	318
≈ kg	4,6	6,6	8,0	14	18	25



Art. 45200 Serie 150
45210 Serie 300
45220 Serie 600

Variant V

"Round Bolted Bonnet" forged steel disc interception valves ANSI with flanged outlets

N 45260 **series 900 - 1500**
N 45270 **series 2500**

Materials

The body and bonnet are forged steel ASTM A 105 - the stem and seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

This interception and regulation valve is specific for oil - products, but also suitable for water, steam, air, gas, etc.
 Round bonnet provided with raised face and bolted on the body - the passages into the body are obtained

by mechanical processing - outside screw ground stem not in contact with the fluid - plug type disc. Conical seat seal seat screwed on the body and provided with raised faces for an easy renewal - back sealing shutter for the renewal of the gland gaskets under pressure at open valve - eye - balls gland bolts
 The flanges , sized and drilled according to the Table ANSI B 16.5 are generally supplied with raised face and seal groove.

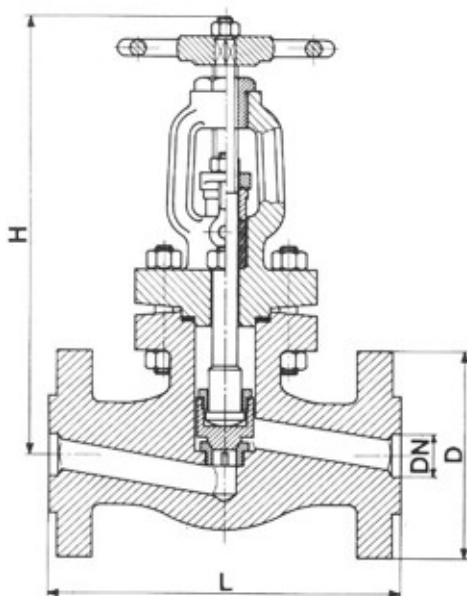
Options

- R with Ring - Joint body- bonnet junction ,
particularly suitable for steam
- S with stellited seats
- U with UNI flanges
- V with untied needle shutter
- Z flanged with ANSI or Ring - Joints gains

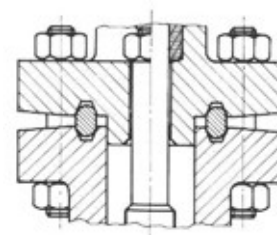
Art. 45260 Serie 900/1500 (*)	Body hydraulic test : 5575 psi equal to 384 bar Working pressure : 3705 psi at 100 °F equal to 255,3 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981°C					
	DN	15	20	25	32	40
		1/2	3/4	1	1 1/4	1 1/2
D	121	131	150	159	178	
L	216	229	254	305	305	
H	378	426	473	562	562	
≈ kg	17	25	34	67	70	

Art. 45270 Serie 2500	Body hydraulic test : 9275 psi equal to 639 bar Working pressure : 6170 psi at 100 °F equal to 424,5 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981°C				
	DN	15	20	25	32
		1/2	3/4	1	1 1/4
D	134	140	159	185	
L	229	254	305	305	
H	426	473	562	562	
≈ kg	25	34	72	75	

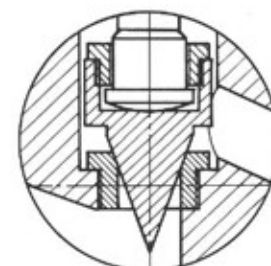
(*) For these DN the Serie 900 e 1500 are equal



Art. 45260 **Serie 900/1500**
45270 **Serie 2500**



Variant R



Variant V

Globe bellows valves ANSI in cast steel with flanged outlets

N **45280** **series 150**
N **45290** **series 300**

Materials and working pressures

The body and bonnet are cast steel ASTM A216 Gr. WCB - the stem and seal seats are 13% Cr stainless steel ASTM A182 Gr F6 - the bellow is stainless steel 18 - 8

While the valves body belongs to the series 150 and 300 and it can bear the corresponding pressures, the bellows limits the maximum Working Pressure of the Series 300 to the following values : 25 bar up to 120 °C; 20 bar at 320 °C.

Common features

These valves are specific for diathermic oils, kerosene, volatile, poisonous or inflammable fluids and when a perfect gland sealing towards the

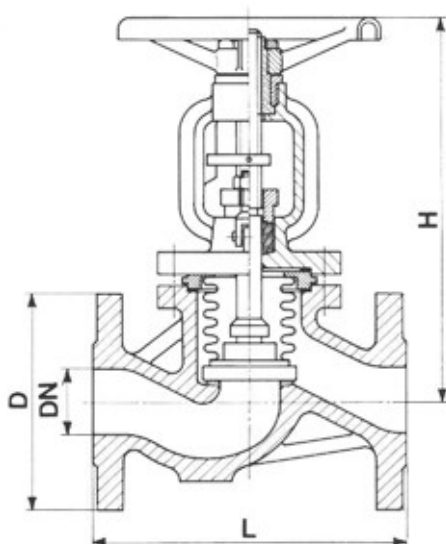
outside is required. In these valves the traditional gland with eye - balls bolts is employed only to guarantee an emergency sealing in case of bellows breacing . As the bellows guarantees its function thousands of operations, these valves are often named " without maintenance ". The connection between stem and shutter is made so that there would not be any torsion on the bellows . The bellows is directly welded on a shutter ending while on the other ending side there is a washer which is to be tightened between body and bonnet ; in this way the valve inside is hermetically isolated towards the outside. The outside screw valves allow to estimate the opening degree by means of the stem raising The flanges , sized and drilled according to the Table ANSI B 16.5 , are generally supplied with raised face and seal groove.

Options

D with double walled - bellows
T with triple walled - bellows

Art. 45280	Body hydraulic test : 450 psi equal to 31 bar									
Serie 150	Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C									
	For other temperatures and other materials see Table ANSI B 16,34 - 1981°C									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	127	152	178	190	229	254	280	343	406	483
L	165	203	216	241	292	356	406	495	622	698
H	330	350	400	435	500	535	585	697	800	900
≈ kg	15	21	34	36	60	78	112	170	255	380

Art. 45290	Working pressure : 25 bar up to 120 °C; 20 bar at 320 °C									
Serie 300	(Values as imposed by the bellows resistance)									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	156	165	190	210	254	280	318	381	445	521
L	229	267	292	318	356	400	445	559	622	711
H	360	395	445	520	560	625	680	760	840	950
≈ kg	22	32	48	58	90	135	170	385	585	860



Art. 45280
45290

Solid wedge gate valves ANSI in cast steel with flanged outlets

N	45350	series 150
N	45360	series 300
N	45370	series 600
N	45380	series 900
N	45390	series 1500

Materials

The body and cover are cast steel ASTM A216 Gr. WCB

The stem and seal seats are 13% Cr stainless steel ASTM A182 Gr. F6

Features

This gate valve is suitable for the interception of water, oil, fuels, air, gas etc.

The body is provided with raised face and it is bolted

on the body - outside screw ground stem not in contact with the fluid - the seal seats are screwed on the body and provided with raised face for an easy renewal - back sealing shutter for the renewal of the gland gasket under pressure at open valve - yoke nut renewable with the gland working - fixed handwheel and outcoming stem - eye balls gland bolts - negligible pressure drops with open gate valve

The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

Options

- D with handwheel scaled control
- F flexible wedge type
- W with buttwelding outlets ANSI B 16.25 and gages equal to those of the flanged patterns
- Z flanged with Ring - Joint or ANSI gains

Art. 45350

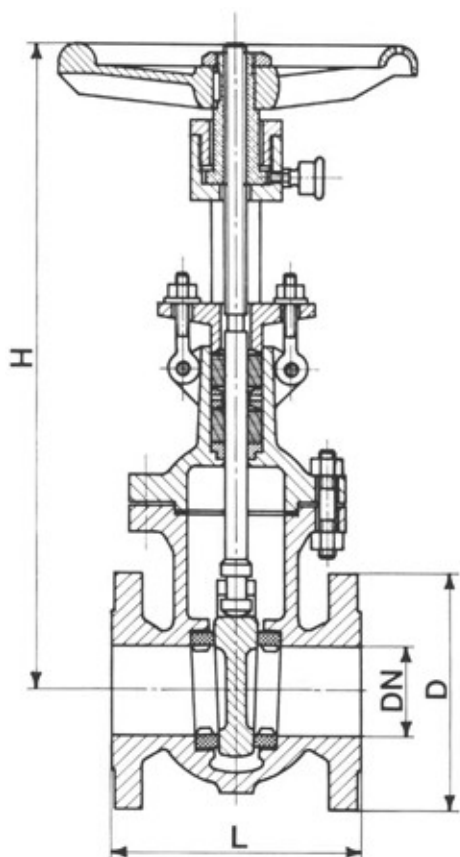
Body hydraulic test : 450 psi equal to 31 bar

Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C

Serie 150

For other temperatures and other materials see Table ANSI B 16,34 - 1981°C

DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600	750
	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	20	24	30
D	127	152	178	190	229	254	280	343	406	483	533	597	699	813	984
L	165	178	191	203	229	254	267	292	330	356	381	407	457	508	610
H	335	395	430	500	570	600	700	850	1050	1200	1300	1500	1800	2250	2550
≈ kg	14	24	31	40	56	72	87	145	225	295	425	545	865	1350	2350



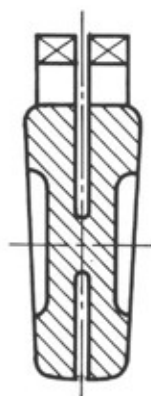
Art. 45350	Serie 150
45360	Serie 300
45370	Serie 600
45380	Serie 900
45390	Serie 1500

Art. 45360	Body hydraulic test : 1125 psi equal to 77 bar													
Serie 300	Working pressure : 740 psi at 100 °F equal to 51.1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16.34 - 1981°C													
DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	20	24
D	156	165	190	210	254	280	318	381	445	521	584	648	775	915
L	191	216	241	283	305	381	403	419	457	502	762	838	991	1143
H	390	435	465	520	610	643	750	960	1100	1300	1420	1580	1920	2150
≈ kg	22	32	44	56	82	122	160	245	365	540	780	1000	1680	2050

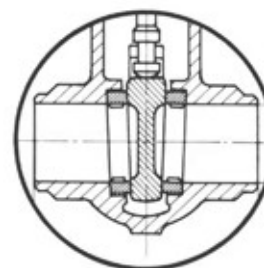
Art. 45370	Body hydraulic test : 2275 psi equal to 153 bar													
Serie 600	Working pressure : 1480 psi at 100 °F equal to 102,1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981													
DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	20	24
D	156	165	190	210	273	330	356	419	508	559	603	686	813	940
L	241	292	330	356	432	508	559	660	787	838	889	991	1194	1397
H	420	430	500	535	635	785	840	1200	1450	1650	1760	2000	2180	2500
≈ kg	22	32	44	56	82	122	160	245	365	540	780	1000	1680	2050

Art. 45380	Body hydraulic test : 3350 psi equal to 231 bar										
Serie 900	Working pressure : 2220 psi at 100 °F equal to 153,2 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981										
DN	50	80	100	125	150	200	250	300	350	400	
	2	3	4	5	6	8	10	12	14	16	
D	216	242	292	350	381	470	546	610	641	705	
L	368	381	457	559	610	737	838	965	1029	1130	
H	556	710	870	980	1060	1250	1520	1760	1900	2150	
≈ kg	80	150	245	365	490	840	1340	2020	2775	3450	

Art. 45390	Body hydraulic test : 5575 psi equal to 384 bar									
Serie 1500	Working pressure : 3705 psi at 100 °F equal to 255,3 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	178	216	245	267	312	375	394	483	585	674
L	305	368	419	470	546	673	705	832	991	1130
H	500	550	650	820	920	990	1090	1300	1380	1870
≈ kg	72	108	160	250	365	580	740	1450	2400	3400



Variant F



Variant W

"Bolted Bonnet " gate valves ANSI in forged steel with flanged outlets

N	45400	series 150
N	45410	series 300
N	45420	series 600

Material

The body and bonnet are forged steel ASTM A 105
The stem and seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

This interception gate valve is specific for oil products , but also suitable for water , steam, air , gas etc.

The bonnet has raised face and it is bolted on the

body - outside screw ground stem - seal seat chucked on the body - the wedge is provided with guides for a right positioning into the seat - back sealing for the renewal of the gland gaskets under pressure at open valve - fixed handwheel and outcoming stem - eye - ball gland bolts - negligible pressure drops with open gate valve.

The flanges , sized and drilled according to the Table ANSI B 16.5 , are generally supplied with raised face and seal groove.

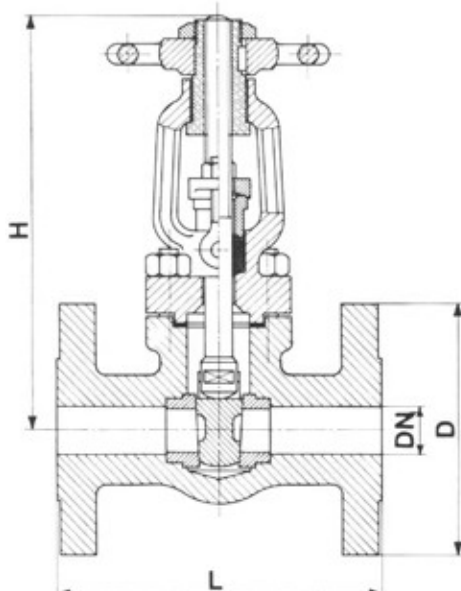
Options

- S with stellited seats
- W with UNI flanges
- Z flanged with Ring-Joint or ANSI gains

Art. 45400	Body hydraulic test : 450 psi equal to 31 bar					
Serie 150	Working pressure : 235 psi at 100 °F equal to 19,6 bar at 38 °C					
	For other temperatures and other materials see Table ANSI B 16,34 - 1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	89	98	108	118	127	152
L	108	118	127	140	165	178
H	154	176	179	222	272	314
≈ kg	2,5	4,4	5,6	9,2	13	19

Art. 45410	Body hydraulic test : 1125 psi equal to 77 bar					
Serie 300	Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C					
	For other temperatures and other materials see Table ANSI B 16,34 - 1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	95	118	124	133	156	165
L	140	152	165	178	191	216
H	176	179	198	272	276	318
≈ kg	4,5	6,5	7,8	13	17	24

Art. 45420	Body hydraulic test : 2225 psi equal to 153 bar					
Serie 600	Working pressure : 1480 psi at 100 °F equal to 109,1 bar at 38 °C					
	For other temperatures and other materials see Table ANSI B 16,34 - 1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	95	118	124	133	156	165
L	165	191	216	229	241	292
H	176	179	198	272	276	318
≈ kg	4,5	6,6	8	14	18	25



Art. 45400 **Serie 150**
45410 **Serie 300**
45420 **Serie 600**

"Round Bolted Bonnet " gate valves ANSI in forged steel with flanged outlets

N **45460** **series 900/1500**
N **45470** **series 2500**

Materials

The body and bonnet are forged steel ASTM A 105
The stem and seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

The bonnet has raised face and it is bolted on the body - outside screw ground stem - seal seat chucked on the body - the wedge is provided with guides for

a right positioning into the seat - back sealing for the renewal of the gland gaskets under pressure at open valve - fixed handwheel and outcoming stem - eye - ball gland bots - negligible pressure drops with open gate valve.

The flanges , sized and drilled according to the Table ANSI B 16.5 , are generally supplied with raised face and seal groove.

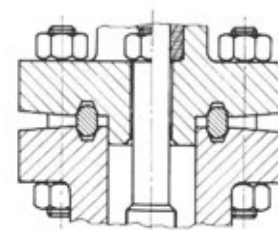
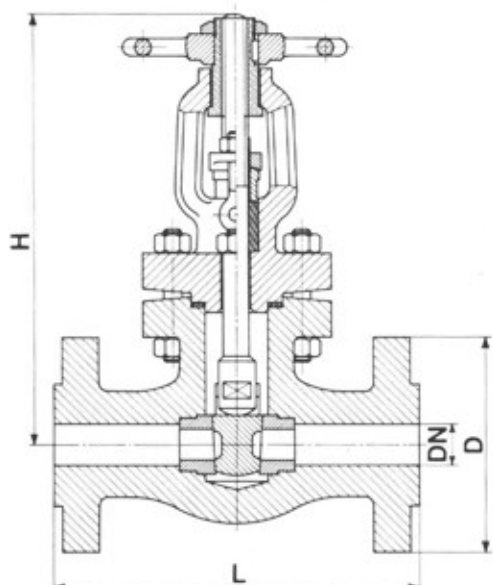
Options

- S with stellited seats
- W with UNI flanges
- Z flanged with Ring-Joint or ANSI gains

Art. 45460	Body hydraulict : 5575 psi equal to 384 bar				
Serie 900/1500 (*)	Working pressure : 3705 psi at 100 °F equal to 255,3 bar at 38 °C				
	For other temperatures and other materials see Table ANSI B 16,34 - 1981				
DN	15	20	25	32	40
	1/2	3/4	1	1 1/4	1 1/2
D	121	131	150	159	178
L	216	229	254	305	305
H	378	426	473	562	562
≈ kg	17	25	34	67	70

(*) For those Dn , the series 900 and 1500 are equal

Art. 45470	Body hydraulict : 9275 psi equal to 639 bar			
Serie 2500	Working pressure : 6170 psi at 100 °F equal to 425,5 bar at 38 °C			
	For other temperatures and other materials see Table ANSI B 16,34 - 1981			
DN	15	20	25	32
	1/2	3/4	1	1 1/4
D	134	140	159	185
L	229	254	305	305
H	426	473	562	562
≈ kg	25	34	72	75



Variant R

Art. 45460 **Serie 900/1500**
45470 **Serie 2500**

Ball Valve Reduced Bore ANSI in cast steel with flanged outlets

N **45500** **Series 150**
N **45510** **Series 300**

Materials

The body and bonnet are cast steel ASTM A 216 Gr. WCB - the ball is 13% Cr stainless steel ASTM A182 Gr. F6 - sealing gaskets in PTFE (Teflon) or on request, glass loaded PTFE.

Features

This interception valve has a perfect pneumatic sealing and it is suitable for air, gas, vacuum systems, water, oil, fuel, etc.

The body is obtained in only a piece; a thread ring nut maintains the ball in the right seat after its assembling.

Fire-safe floating ball (if a gaskets destruction due to

an exposure to the fire takes place, the sealing is guaranteed on the metal seat) - the sealing is guaranteed in the two directions - smooth operation in a quarter of a turn with locking device in the opening and closing positions - the stem is provided with raised face against the ejection from the body and with outwarding sealing gaskets - ball position in view - Venturi metric reduced bore with negligible pressure drops.

The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

Options

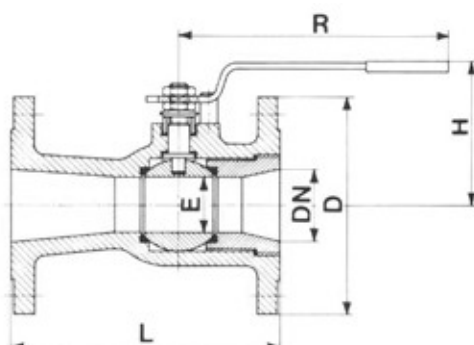
X with stainless steel ANSI 316 ball

These valves may also be supplied with the pneumatic servo controls as per the items N. 28020 - 28030 - 28040 to which you are sent back for documentation

Art. 45350	Body hydraulic test : 450 psi equal to 31 bar															
Serie 150	Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C															
	For other temperatures up to 150 ° max and other materials see Table ANSI B 16,34 - 1981															
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
D	89	98	108	118	127	152	178	191	229	254	279	343	406	483	533	597
L	108	117	127	140	165	178	190	203	229	254	267	292	330	356	686	762
H	64	64	66	85	90	118	126	139	144	195	212	265	290	320	350	400
R	145	145	145	180	180	275	275	380	380	440	440	610	610*	610*	900*	900*
E	14	14	19	24	29	38	48	64	76	95	118	150	200	200	250	300
≈ kg	1,5	2,5	3	4,5	6	8	14	18	20	30	40	65	85	120	-	-

Art. 45510	Body hydraulic test : 1125 psi equal to 77 bar															
Serie 300	Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C															
	For other temperatures up to 150 ° max and other materials see Table ANSI B 16,34 - 1981															
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
D	95	118	124	133	156	165	191	210	254	279	318	381	445	521	584	684
L	140	152	165	180	191	216	241	283	305	381	403	418	457	502	762	838
H	64	64	66	85	90	118	126	139	144	195	212	265	290	320	350	400
R	145	145	145	180	180	275	275	380	380	440	440	610	610*	610*	900*	900*
E	14	14	19	24	29	38	48	64	76	95	118	150	180	200	250	300
≈ kg	2,5	3,8	4,5	6	8	12	19	24	30	42	60	90	105	-	-	-

(*) Operation foreseen with gears reducer



Art. 45500
45510

Ball Valves Full Bore ANSI in cast steel with flanged outlets

N **45520** **series 150**
N **45530** **series 300**

Materials

The body and bonnet are cast steel ASTM A 216 Gr. WCB - the ball is 13% Cr stainless steel ASTM A182 Gr. F6 - sealing gaskets in PTFE (Teflon) or on request, glass loaded PTFE.

Features

This interception valve has a perfect pneumatic sealing and it is suitable for air, gas, vacuum system, water, oil, fuel, etc.

This valve is "split-body" type, i.e. with the body divided in two pieces.

Fire-safe floating ball (if a gaskets destruction due to

an exposure to the fire takes place, the sealing is guaranteed on the metal seat) - the sealing is guaranteed in the two directions - smooth operation in a quarter of a turn with locking device in the opening and closing positions - the stem is provided with raised face against the ejection from the body and with outwarding sealing gaskets - ball position in view - Full bore with negligible pressure drops.

The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove full bore with negligible pressure drops.

Options

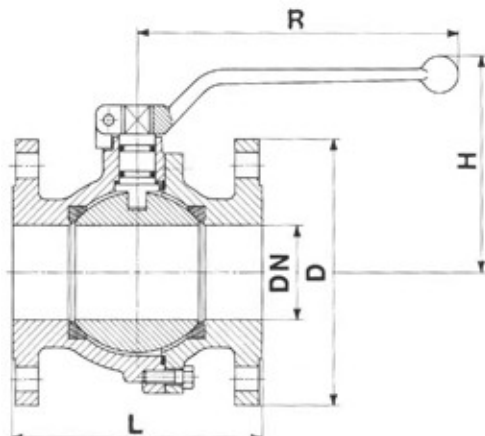
X with stainless steel ANSI 316 ball

These valves may also be supplied with the pneumatic servo controls as per the items N. 28020 - 28030 - 28040 to which you are sent back for documentation

Art. 45520 Serie 150	Body hydraulic test : 450 psi equal to 31 bar Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C For other temperatures up to 150 ° max and other materials see Table ANSI B 16,34 - 1981															
	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
D	89	98	108	118	127	152	178	191	229	254	279	343	406	483	533	597
L	108	117	127	140	165	178	190	203	229	254	267	419	533	610	686	762
H	64	66	85	90	118	126	139	144	195	212	265	320	350	400	440	500
R	145	145	180	180	275	275	380	380	440	440	610	610*	900*	900*	1000*	1000*
≈ kg	2,3	3,6	5,6	7	8,5	10	16	23	30	43	60	110	155	190	-	-

Art. 45530 Serie 300	Body hydraulic test : 1125 psi equal to 77 bar Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C For other temperatures up to 150 ° max and other materials see Table ANSI B 16,34 - 1981															
	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
D	95	118	124	133	156	165	191	210	254	279	318	381	445	521	584	684
L	140	152	165	180	191	216	241	283	305	381	403	502	568	648	762	838
H	64	66	85	90	118	126	139	144	195	212	265	320	350	400	440	500
R	145	145	180	180	275	275	380	380	440	440	610	610*	900*	900*	1000*	1000*
≈ kg	1,5	2,5	3	4,5	6	8	14	18	20	30	40	65	85	120	-	-

(*) Operation foreseen with gears reducer



Art. 45520
45530

Ball Valves Full bore flat body in steel with outlets for flanges ANSI Series 150

N 45540

Materials

The body is steel obtained from bar - the ball is stainless steel AISI 304 - the stem is 13% Cr stainless steel - the gaskets are PTFE (Teflon)

Features

This reduced gage interception valve has a perfect pneumatic sealing and it is suitable for air, gas, vacuum systems, water, fuels etc.

The body is practically a single piece with one thread locknut only. It may be fixed with socket head screws in the bigger sizes to allow the assembling of the internal seats.

Fire - safe floating ball (if a gaskets destruction due to an exposure to the fire takes place, the sealing is guaranteed on the metal seat) - the sealing is guaranteed in the two directions - stem against

ejection - smooth operation in a quarter of a turn with the ball position in view - lever stop device in the opening and closing positions - full bore with negligible pressure drops.

The valve is fixed to the piping flanges by means of screws screwed on blank holes obtained in the valve body rather than with the usual passing bolts. So it is possible to disassemble one of the two flanges maintaining the valve at work on the other piping side.

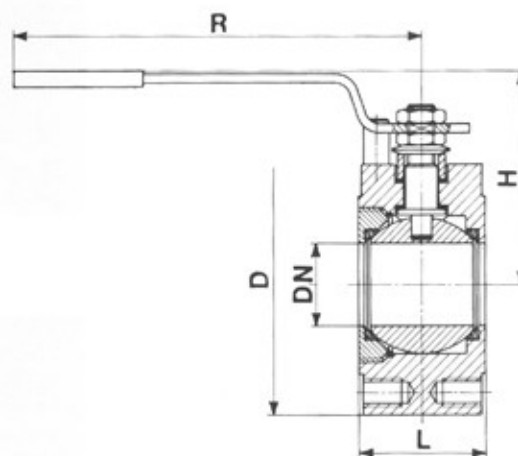
The number and diameter of the thread holes, the diameter of their holes center and the external diameter of the body may be adapted to the flanges ANSI Series 150

This valve may also be supplied with the pneumatic servo controls as per items N. 28200 - 28210 - 28220 to which you are send back for documentation.

Options

X with stainless steel ball AISI 316

Art. 45540	Body hydraulic test : 450 psi equal to 31 bar										
Serie 150	Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C										
	For other temperatures up to 150 ° max and other materials see Table ANSI B 16,34 - 1981										
DN	15	20	25	32	40	50	65	80	100	125	150
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
D	90	100	110	130	140	150	175	190	220	250	300
L	35	38	42	50	60	70	95	118	140	175	210
H	64	66	85	90	118	126	139	144	195	212	265
R	145	145	180	180	275	275	380	380	440	440	610
≈ kg	1,5	2	2,7	3,8	6,5	8	15	20	30	47	68



Art. 45540

Double Disc Swing "Wafer" type Check Valves ANSI

N 45900 in cast iron series 125
N 45910 in steel series 150
N 45920 in steel series 300

Materials

The body and swing are cast iron for the Series 125 and forged steel for the Series 150 and 300 - the swings stem and recovery spring are stainless steel - the gaskets are Buna N or Viton on request

Features

This valve has a perfect sealing and it is suitable for

water, steam, air, gas, fuels etc.

Seal rings OR are inserted on the swings - possibility to assemble the valve on horizontal or vertical pipings - possibility to cut off the valve central body without cutting off the flanges from the piping - negligible pressure drops with fully open swings.

For a perfect assembling on horizontal pipings the swings stem must be vertical

The valves are foreseen to be inserted among the flanges ANSI of the correspondent Series.

The maximum working temperatures are 80°C for Buna N gaskets and 200°C for Viton gaskets.

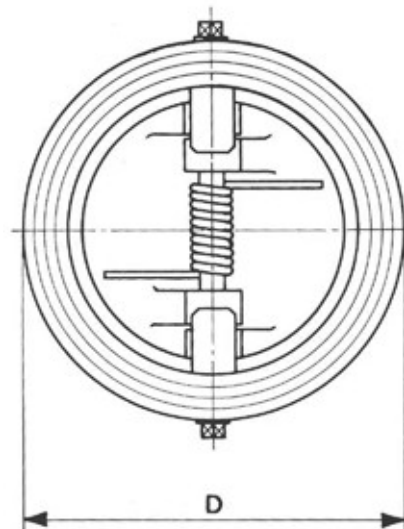
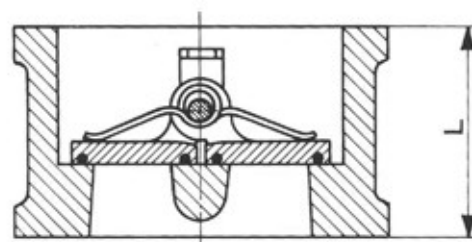
Options

C Complete valve assembled with gaskets and tie-rods among flanges ANSI

Art. 45900 Serie 125	Body hydraulic test : 230 psi equal to 16 bar Working pressure : 150 psi at 100 °F equal to 10.3 bar at 38 °C 115 psi at 400°F equal to 8 bar at 200°C								
	DN	200	250	300	350	400	450	500	600
		8	10	12	14	16	18	20	24
D		268	322	372	432	482	532	586	685
L		127	140	175	175	175	185	212	222
≈ kg		64	90	150	180	210	270	340	500

Art. 45910 Serie 150	Body hydraulic test : 460 psi equal to 31 bar Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C For other temperatures up to 200°C max and other materials see Table ANSI B 16.34 - 1981								
	DN	200	250	300	350	400	450	500	600
		8	10	12	14	16	18	20	24
D		275	335	405	445	510	545	600	710
L		127	140	175	175	175	185	212	222
≈ kg		67	97	175	192	240	285	360	550

Art. 45920 Serie 300	Body hydraulic test : 1125 psi equal to 77 bar Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C For other temperatures up to 200°C max and other materials see Table ANSI B 16.34 - 1981								
	DN	200	250	300	350	400	450	500	600
		8	10	12	14	16	18	20	24
D		300	355	415	480	535	590	645	765
L		127	140	175	175	175	185	212	222
≈ kg		78	108	184	226	268	340	430	660



Art. 45900
45910
45920

Globe Lift Check Valves ANSI in cast steel with flanged outlets

N	46000	series 150
N	46010	series 300
N	46020	series 600
N	46030	series 900
N	46040	series 1500

Materials

The body and bonnet are cast steel ASTM A 216 Gr. WCB - the seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

This valve is specific for horizontal piping and it is suitable for water, steam, oil, fuels, air, gas etc. Conic seat seal seat screwed on the body and provided with raised faces for an easy replacement -

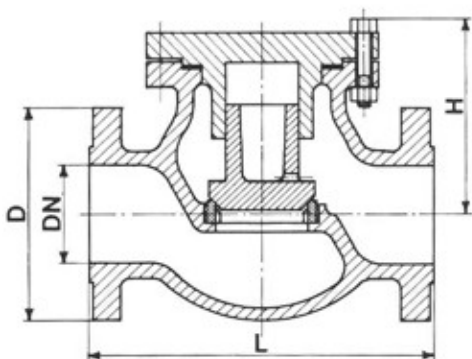
wholly stainless steel shutter - the bonnet is bolted on the body.

The flanges, sized and drilled according to the Table ANSI B 16.5 are generally supplied with raised face and seal groove.

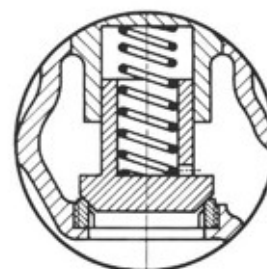
Options

- M with recovery spring on the shutter for a ready locking
- W with buttwelding outlets ANSI B 16.25 and gages equal to those of the flanged patterns
- Z flanged with ANSI or Ring-Joint gains

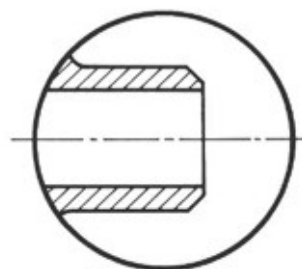
Art. 46000	Body hydraulic test : 460 psi equal to 31 bar								
Serie 150	Working pressure : 285 psi at 100 °F equal to 19,6 bar at 38 °C								
	For other temperatures max and other materials see Table ANSI B 16,34 - 1981								
DN	50	65	80	100	125	150	200	250	300
	2	2 1/2	3	4	5	6	8	10	12
D	152	178	190	229	254	280	343	406	483
L	203	216	241	292	356	406	495	622	698
H	152	165	168	191	203	216	264	311	362
≈ kg	16	23	28	47	62	85	150	220	325



Art. 46000	Serie 150
46010	Serie 300
46020	Serie 600
46030	Serie 900
46040	Serie 1500



Variant R



Variant V

Art. 46010	Body hydraulic test : 1125 psi equal to 77 bar								
Serie 300	Working pressure : 740 psi at 100 °F equal to 51,1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981								
DN	50	65	80	100	125	150	200	250	300
	2	2 1/2	3	4	5	6	8	10	12
D	165	190	210	254	280	318	381	445	521
L	267	292	318	356	400	445	559	622	711
H	168	184	206	241	260	286	330	384	438
≈ kg	27	34	53	82	105	155	250	350	585

Art. 46020	Body hydraulic test : 2225 psi equal to 153 bar						
Serie 600	Working pressure : 1480 psi at 100 °F equal to 102,1 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981						
DN	50	65	80	100	125	150	200
	2	2 1/2	3	4	5	6	8
D	165	191	210	273	330	356	419
L	292	330	356	432	508	559	660
H	175	197	206	260	302	327	391
≈ kg	31	44	57	105	165	205	375

Art. 46030	Body hydraulic test : 3350 psi equal to 231 bar			
Serie 900	Working pressure : 2220 psi at 100 °F equal to 153,2 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981			
DN	80	100	150	200
	3	4	6	8
D	242	292	381	470
L	381	457	610	737
H	305	368	473	594
≈ kg	105	190	400	800

Art. 46040	Body hydraulic test : 5575 psi equal to 384 bar									
Serie 1500	Working pressure : 3705 psi at 100 °F equal to 255,3 bar at 38 °C For other temperatures and other materials see Table ANSI B 16,34 - 1981									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	178	216	245	267	312	375	394	483	406	483
L	305	368	419	470	546	673	705	832	622	698
H	270	276	305	321	349	524	575	610	311	362
≈ kg	80	95	135	170	280	510	700	1020	220	325

Swing Check Valves ANSI in cast steel with flanged outlets

N	46100	series 150
N	46110	series 300
N	46120	series 600
N	46130	series 900
N	46140	series 1500

Materials

The body and bonnet are cast steel ASTM A 216 Gr. WCB - the seal seats are 13% Cr stainless steel ASTM A 182 Gr. F6

Features

This valve is suitable for horizontal and vertical pipings for water, steam, oil, fuels, air, gas, etc. Flat seat seal seat screwed on the body and provided with raised faces for an easy renewal - the bonnet is bolted on the

body - fully liftable swing with negligible pressure drops.

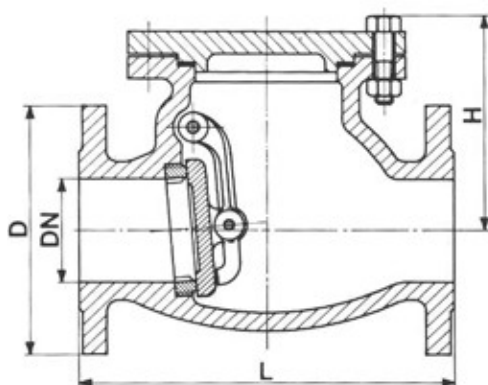
The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

Options

- D with renewable gasket shutter
- I with spring provided with hydraulic shock-absorber against water - hammers.
- L with swing provided with lever and counterbalance for a ready locking
- P with by-pass
- W with butterwelding outlets ANSI B 16.25 and gages equal to those of the flanged patterns
- Z flanged with ANSI or Ring - Joint gains

Art. 46100	Body hydraulic pressure test : 450 psi equal to 31 bar.													
Serie 150	Working pressure : 285 psi at 100°F equal to 19.6 bar at 38°C													
	For other temperatures and other materials see the Table ANSI B 16.34 - 1981													
DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	20	24
D	127	152	178	190	229	254	280	343	406	483	533	597	699	813
L	165	203	216	241	292	330	356	495	622	699	788	864	978	1295
H	140	150	180	195	220	230	270	330	350	400	440	490	620	740
≈ kg	10	16	24	27	44	61	78	125	180	295	435	590	930	1370

Art. 46110	Body hydraulic pressure test : 1125 psi equal to 77 bar.													
Serie 300	Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C													
	For other temperatures and other materials see the Table ANSI B 16.34-1981													
DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	20	24
D	156	165	190	210	254	280	318	381	445	521	584	648	775	915
L	242	267	292	318	356	400	445	534	623	711	838	864	1016	1346
H	140	150	180	200	225	270	300	355	390	445	495	530	660	750
≈ kg	18	24	34	41	67	95	120	210	370	590	615	850	1380	2030

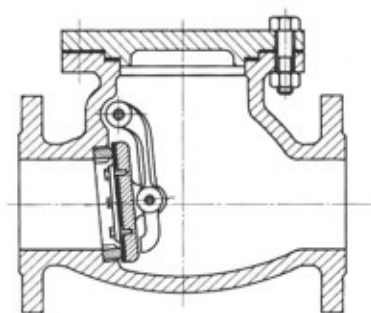


- Art. 46100 Serie 150
- 46110 Serie 300
- 46120 Serie 600
- 46130 Serie 900
- 46140 Serie 1500

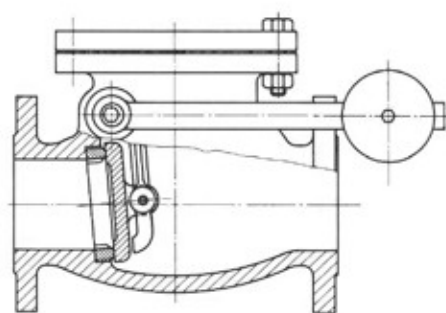
Art. 46120	Body hydraulic pressure test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 102.1 bar at 38 °C For other temperatures and other materials see the Table ANSI B 16.34-1981									
Serie 600										
DN	50	65	80	100	125	150	200	250	300	400
	2	2 1/2	3	4	5	6	8	10	12	16
D	165	191	210	273	330	356	419	508	559	686
L	292	330	356	432	508	559	660	787	838	991
H	203	229	241	283	340	352	413	499	533	589
≈ kg	32	43	57	105	150	205	375	475	770	1720

Art. 46130	Body hydraulic test : 3350 psi equal to 231 bar. Working pressure : 2220 psi at 100°F equal to 153.2 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981				
Serie 900					
DN	50	80	100	150	200
	2	3	4	6	8
D	216	242	292	381	470
L	368	381	457	610	737
H	265	305	368	473	594
≈ kg	60	105	185	400	800

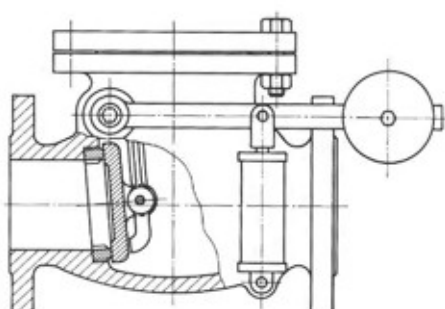
Art. 46140	Body hydraulic test : 5575 psi equal to 384 bar. Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981							
Serie 1500								
DN	40	50	65	80	100	125	150	200
	1 1/2	2	2 1/2	3	4	5	6	8
D	178	216	245	267	312	375	394	483
L	305	368	419	470	546	673	705	832
H	270	276	305	321	349	524	575	610
≈ kg	60	90	125	155	230	475	665	1020



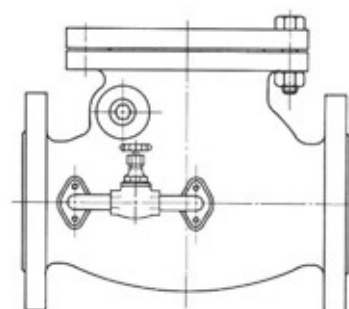
Variant D



Variant L



Variant I



Variant P

"Bolted bonnet" Globe Lift Check-Valves ANSI in forged steel with flanged outlets

N	46200	series 150
N	46210	series 300
N	46220	series 600

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve is specific for horizontal pipings and oil products, but it is also suitable for water, steam, air, gas, etc.

The bonnet is provided with raised face and it is bolted on the body - the passages in the body are obtained by means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy renewal - lift shutter with guiding chamber. The flanges, sized and drilled according to table ANSI B 16.5 are generally supplied with raised face and seal groove.

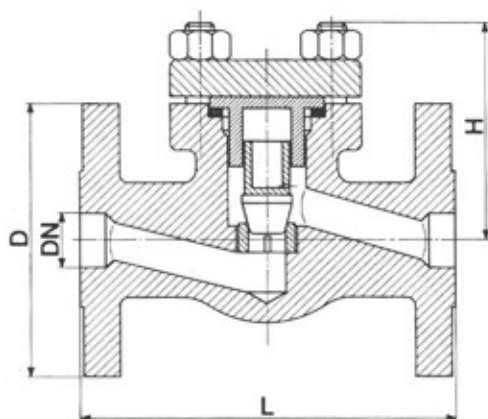
Options

M	with recovery spring on the shutter for a quick locking
O	with ball shutter
S	with stellited seats
U	with UNI flanges
Z	flanged with ANSI or Ring-Joint gains

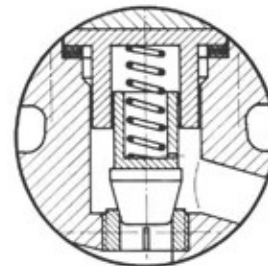
Art. 46200 Serie 150	Body hydraulic test : 450 psi equal to 31 bar. Working pressure : 285 psi at 100°F equal to 19.6 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	89	98	108	118	127	152
L	108	118	127	140	165	203
H	67	76	79	102	121	140
≈ kg	2,0	3,7	4,7	7,5	10	16

Art. 46210 Serie 300	Body hydraulic pressure test : 1125 psi equal to 77 bar. Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	95	118	124	133	156	165
L	152	178	203	216	229	267
H	67	76	89	102	121	140
≈ kg	3,0	4,7	6,0	8,9	13	18

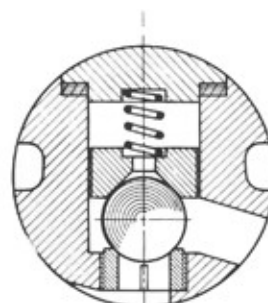
Art. 46220 Serie 600	Body hydraulic pressure test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 102.1 bar at 38 °C For other temperatures and other materials see the Table ANSI B 16.34-1981					
DN	15	20	25	32	40	50
	1/2	3/4	1	1 1/4	1 1/2	2
D	95	118	124	133	156	165
L	165	191	216	229	241	292
H	67	76	89	102	121	140
≈ kg	3,2	4,9	6,2	9,5	14	19



Art. 46200 Serie 150
46210 Serie 300
46220 Serie 600



Variant M



Variant O

**"Round Bolted Bonnet" Globe Lift Check Valves
ANSI in forged steel with flanged outlets**

N **46260** **series 900/1500**
N **46270** **series 2500**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve is specific for horizontal pipings and oil products, but it is also suitable for water, steam, air, gas, etc.

Round bonnet provided with raised face and bolted on the body - the passages in the body are obtained by

means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy renewal - lift shutter with guiding chamber. The flanges, sized and drilled according to table ANSI B 16.5 are generally supplied with raised face and seal groove.

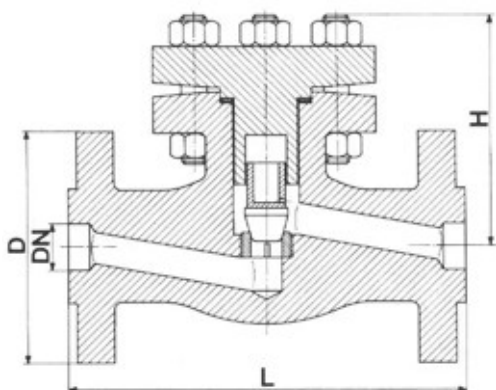
Options

- M with recovery spring on the shutter for a quick locking
- O with ball shutter
- S with stellited seats
- U with UNI flanges
- Z flanged with ANSI or Ring-Joint gains
- R with Ring-Joint type body-bonnet junction, particularly suitable for steam

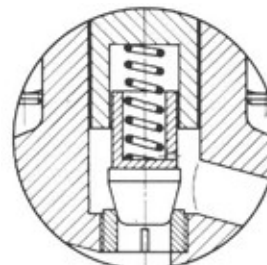
Art. 46260 Serie 900/1500 (*)	Body hydraulic test : 5575 psi equal to 384 bar. Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981					
	DN	15	20	25	32	40
		1/2	3/4	1	1 1/4	1 1/2
D	121	131	150	159	178	
L	216	229	254	305	305	
H	156	184	197	251	251	
≈ kg	13	19	26	49	52	

Art. 46270 Serie 2500	Body hydraulic pressure test : 9275 psi equal to 639 bar. Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981				
	DN	15	20	25	32
		1/2	3/4	1	1 1/4
D	134	140	159	185	
L	229	254	305	305	
H	184	197	251	251	
≈ kg	19	26	54	57	

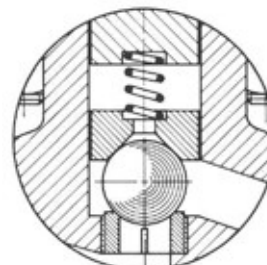
(*) For These DN the Series 900 e 1500 are equal



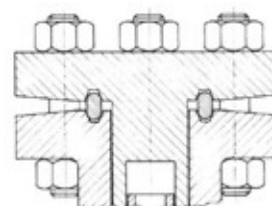
Art. 46260 Serie 900/1500
46270 Serie 2500



Variant M



Variant O



Variante R

"Bolted Bonnet" Swing Check Valves ANSI in forged steel with flanged outlets

N	46300	series 150
N	46310	series 300
N	46320	series 600

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve may be installed on horizontal and vertical pipings and it is specific for oil products but also suitable for water, steam, air, gas etc.

The bonnet is provided with raised face and it is bolted

on the body. The passages in the body are obtained by means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy substitution - the swing is completely upraising with very little pressure drops.

The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

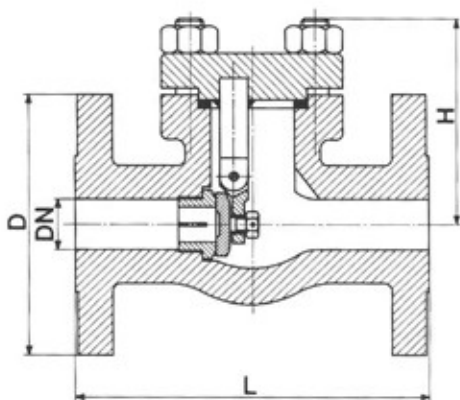
Options

D	with renewable gasket shutter
S	with stellited seats
U	with UNI flanges
Z	flanged with ANSI or Ring-Joint gains

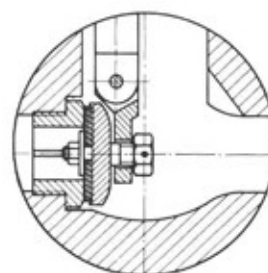
Art. 46300 Serie 150	Body hydraulic test : 450 psi equal to 31 bar. Working pressure : 285 psi at 100°F equal to 19.6 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	89	98	108	118	127	152
L	108	118	127	140	165	203
H	67	76	79	102	121	140
≈ kg	2,0	3,7	4,7	7,5	10	16

Art. 46310 Serie 300	Body hydraulic pressure test : 1125 psi equal to 77 bar. Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	95	118	124	133	156	165
L	152	178	203	216	229	267
H	67	76	89	102	121	140
≈ kg	3,0	4,7	6,0	8,9	13	18

Art. 46320 Serie 600	Body hydraulic pressure test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 102.1 bar at 38 °C For other temperatures and other materials see the Table ANSI B 16.34-1981					
	DN	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2
D	95	118	124	133	156	165
L	165	191	216	229	241	292
H	67	76	89	102	121	140
≈ kg	4,5	4,9	6,2	9,5	14	19



Art. 46300 Serie 150
46310 Serie 300
46320 Serie 600



Variant D

"Round Bolted Bonnet" Swing Check Valves ANSI in forged steel with flanged outlets

N **46360** **series 900/1500**
N **46370** **series 2500**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve may be installed on horizontal and vertical pipings and it is specific for oil products but also suitable for water, steam, air, gas etc.

Round bonnet provided with raised face and bolted on the body - the passages in the body are obtained by

means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy substitution - the swing is completely upraising with very little pressure drops.

The flanges, sized and drilled according to the Table ANSI B 16.5, are generally supplied with raised face and seal groove.

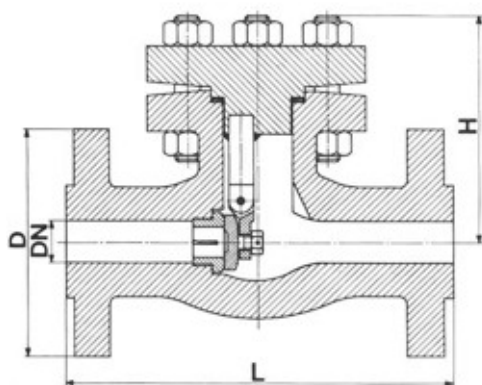
Options

- D with renewable gasket shutter
- S with satellited seats
- U with UNI flanges
- Z flanged with ANSI or Ring-Joint gains
- R with Ring-Joint type body-bonnet junction, particularly suitable for water

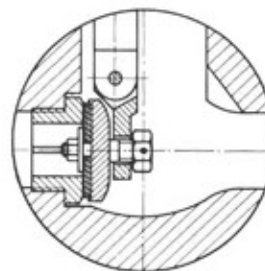
Art. 46360 Serie 900/1500 (*)	Body hydraulic test : 5575 psi equal to 384 bar. Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981					
	DN	15	20	25	32	40
		1/2	3/4	1	1 1/4	1 1/2
D	121	131	150	159	178	
L	216	229	254	305	305	
H	156	184	197	251	251	
≈ kg	13	19	26	49	52	

Art. 46370 Serie 2500	Body hydraulic pressure test : 9275 psi equal to 639 bar. Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981				
	DN	15	20	25	32
		1/2	3/4	1	1 1/4
D	134	140	159	185	
L	229	254	305	305	
H	184	197	251	251	
≈ kg	19	26	54	57	

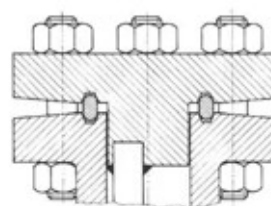
(*) For These DN the Series 900 e 1500 are equal



Art. 46360 Serie 900/1500
46370 Serie 2500



Variant D



Variant R

"Bolted Bonnet" Disc type Interception Valve ANSI in forged steel with thread outlets

N 47100 **series 600**
N 47110 **series 800 reduced passage type**
N 47120 **series 800 full passage type**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This interception and regulation valve is specific for oil products, but also suitable for water, steam, air, gas, etc.

The bonnet is provided with raised face and bolted on the body - the passages in the body are obtained by means of mechanical work - outside screw ground stem not in contact with the fluid. conic disc shutter - conic seal seat screwed on the body and provided with raised faces for an easy substitution - backsealing shutter for the gland gaskets substitution under pressure at open valve - eye - ball gland bolts.

Thread socket outlets ANSI B 2.1 8NPT)

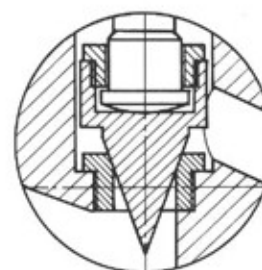
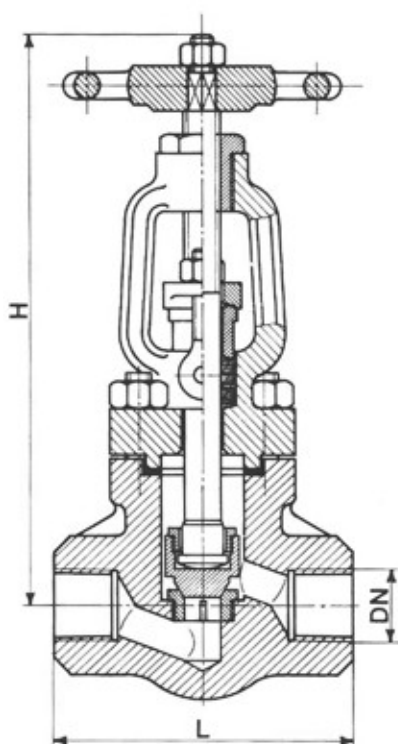
Options

S stellited seats type
V with jointed needle shutter
W with socket welding outlets ANSI B 16.11

Art. 47100	Body hydraulic test : 2225 psi equal to 153 bar.							
Serie 600	Working pressure : 1480 psi at 100°F equal to 153 bar at 38°C							
	For other temperatures and other materials see the Table ANSI B 16.34 - 1981							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	70	70	92	111	127	152	172	210
H	132	156	176	180	198	172	276	292
≈ kg	1,1	1,9	2,9	3,7	4,6	9,0	11	18

Art. 47110	Body hydraulic pressure test : 3000 psi equal to 207 bar.							
47120	Working pressure : 2000 psi at 100°F equal to 138 bar at 38°C; 800 psi at 850 °F equal to 55 bar at 454 °C							
Serie 800	For other temperatures see Table BS 3808							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L (*)	60	60	70	92	111	127	140	159
H (*)	132	132	152	191	198	229	276	318
≈ kg	1,1	1,1	1,9	2,9	3,5	5,7	8,9	15

(*) Reduced Bore type. For the Full Bore type dimensions and weights are as per the series 600



Variant V

Art. 47100 **Serie 600**
47110 **Serie 800**

"Round Bolted Bonnet" Disc Type Interception Valves ANSI in forged steel with thread outlets

N 47160 series 900/1500
N 47170 series 2500

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This interception and regulation valve is specific for oil products, but also suitable for water, steam, air, gas, etc. Round bonnet provided with raised face and bolted on the body - the passages in the body are obtained by

means of mechanical work - outside screw ground stem not in contact with the fluid - conic disc shutter - conic seal seat screwed on the body and provided with raised faces for an easy substitution - backsealing shutter for the gland gaskets substitution under pressure at open valve - eye - ball gland bolts.

Thread socket outlets ANSI B 2.1 8NPT)

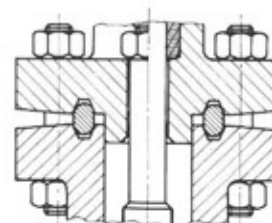
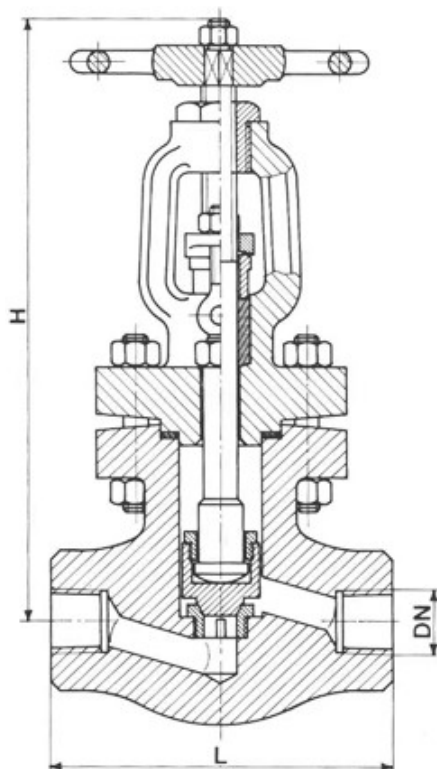
Options

- R with Ring-Joint type bonnet body junction particularly suitable for steam
- S stellited seats type
- V with jointed needle shutter
- W with socket welding outlets ANSI B 16.11

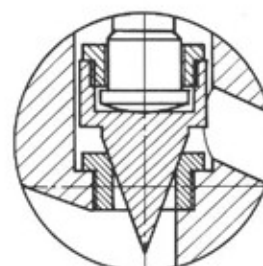
Art. 47160 Serie 900/1500 (*)	Body hydraulic test : 5575 psi equal to 384 bar. Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981						
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
L	114	114	114	127	165	216	216
H	349	349	349	378	441	553	553
≈ kg	8,5	8,5	8,5	12	20	44	44

(*) for these DN the Series 900 and 1500 are equal

Art. 47170 Serie 2500	Body hydraulic pressure test : 9275 psi equal to 639 bar. Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981						
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/4
L (*)	114	114	127	165	216	216	216
H (*)	349	349	378	441	553	553	553
≈ kg	8,5	8,5	12	20	44	44	44



Variant R



Variant V

Art. 47160 Serie 900/1500
47170 Serie 2500

"Welded Bonnet" Interception Valves ANSI in forged steel with thread outlets

N 47200 **series 600**
N 47210 **series 800 reduced bore type**
N 47220 **series 800 full bore type**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This interception and regulation valve is specific for oil products, but also suitable for water, steam, air, gas, etc.

The bonnet is welded on the body - the passages in the body are obtained by means of mechanical work - outside screw ground stem not in contact with the fluid - conic, disc shutter - conic seat seal seat screwd on the body - back sealing shutter for the gland gasket substitution under pressure at open valve - eye - ball gland bolts.

Thread socket outlets ANSI B 2.1 (NPT)

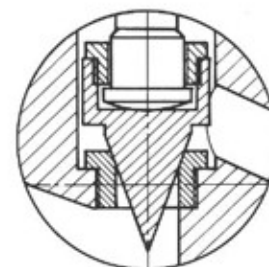
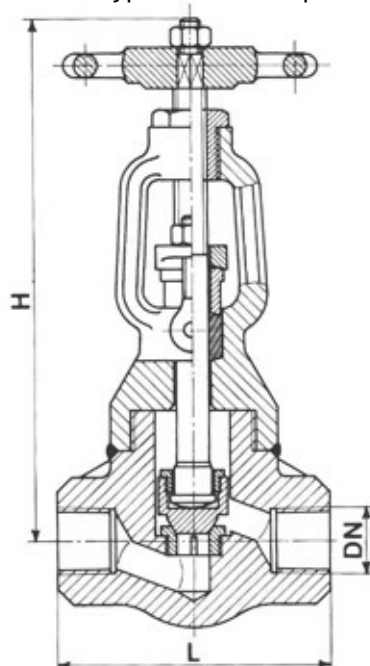
Options

S with stellited seat
V with supple needle shutter
W with socket welding outlets ANSI B 16.11

Art. 47200 Serie 600	Body hydraulic test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 153 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	70	70	92	111	127	152	172	210
H	132	152	172	176	195	265	273	290
≈ kg	1,1	1,9	2,9	3,7	4,6	9,0	11	18

Art. 47210 47220 Serie 800	Body hydraulic pressure test : 3000 psi equal to 207 bar. Working pressure : 2000 psi at 100°F equal to 138 bar at 38°C; 800 psi at 850 °F equal to 55 bar at 454 °C For other temperatures see Table BS 3808							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L (*)	60	60	70	92	111	127	140	159
H (*)	130	130	150	188	195	226	272	315
≈ kg	1,1	1,1	1,9	2,9	3,5	5,7	8,9	15

(*) Reduced Bore type. For the full passage type dimensions and weights are as per the series 600



Variant V

Art. 47200 Serie 600
47210 Serie 800

Free Flow Interception Valves ANSI in forged steel with welding outlets

N	47250	series 800/600
N	47260	series 1500
N	47270	series 2500

Materials

The body, bonnet, gland and handwheel are forged steel ASTM A 105 - the stem is 13% stainless steel ASTM A 182 Gr F6 stellited seal seat and shutter Gr 6 - the yoke nut is special fiction proof bronze - graphitized amianthus plait with stiffening Inconel thread

Features

This check valve for horizontal and vertical pipings has a great confidence and a perfect sealing; it is specific for systems requiring an absolute safety warranty (i.e. nuclear systems)

The bonnet is screwed on the body with seal welding.

The thrust is supported by the threading while the welding eliminates any drop; in case of disassembling of the valve, the welding may be removed and remade. Outside screw ground and hardened stem, not in contact with the fluid - back sealing shutter for the renewal of the plait under pressure and with fully open valve - eye ball gland bolts - gages in the body planned to reduce the pressure drops to the minimum. The outlets are generally socket welding type ANSI (ASA) B 16.11; on request the valves may be supplied with other kinds of outlets.

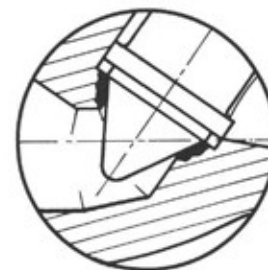
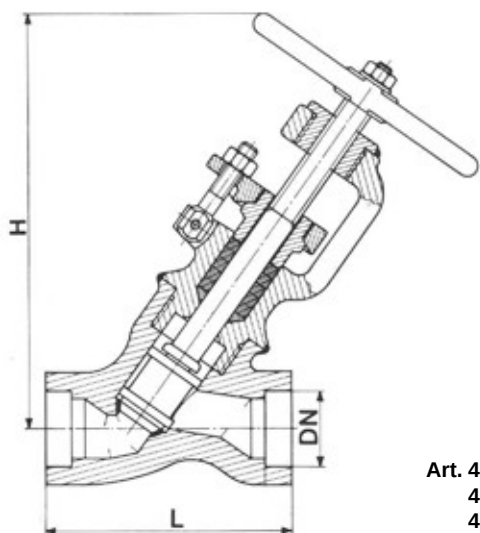
Options

- A body in special steel ASTM A 182 F11 or F22 for high temperatures
- V with needle shutter for a thin adjustment
- X body in stainless steel AISI 316 and stem in AISI 410

Art. 47250 Serie 800/600	Body hydraulic test : 3000 psi equal to 207 bar. Working pressure : 2000 psi at 100°F equal to 138 bar at 38°C; 800 psi at 850°F equal to 55 bar at 454 °C For other temperatures and other materials see the Table BS 3808						
	DN	1/4	3/8	1/2	3/4	1	1 1/2
L	105	105	105	105	110	160	188
H	168	168	168	168	190	260	290
≈ kg	1,6	1,6	1,5	1,5	2,5	5,0	8,0

Art. 47260 Serie 1500	Body hydraulic test : 5575 psi equal to 384 bar. Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981						
	DN	1/4	3/8	1/2	3/4	1	1 1/2
L	105	105	105	110	125	180	183
H	168	168	168	190	195	300	344
≈ kg	2,0	1,8	1,8	2,6	4,5	7,5	13

Art. 47270 Serie 2500	Body hydraulic pressure test : 9275 psi equal to 639 bar. Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981						
	DN	1/4	3/8	1/2	3/4	1	1 1/2
L	127	127	127	154	154	224	224
H	200	200	200	244	244	395	395
≈ kg	5,5	5,0	5,0	8,5	8,0	25	24



Variant V

Art. 47250 Serie 800/600
47260 Serie 1500
47270 Serie 2500

"Bolted bonnet" Gate Valves in forged steel with thread outlets

N 47400 **Series 600**
N 47410 **Series 800 reduced bore**
N 47420 **Series 800 full bore**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This gate valve is specific for the oil products interception, but also suitable for water, steam, air, gas etc.

The bonnet is provided with raised face and it is bolted on the body - outside screw ground stem not in contact with the fluid - the seal seats are chucked on the body and provided with raised faces for an easy renewal - the wedge is provided with guides for a right positioning on the seat - back sealing for the gland gaskets renewal under pressure with open gate valve - fixed handwheel and raising stem - eye-ball gland bolts - very little pressure drops with open gate valve
 Thread socket outlets ANSI B 2.1 (NPT)

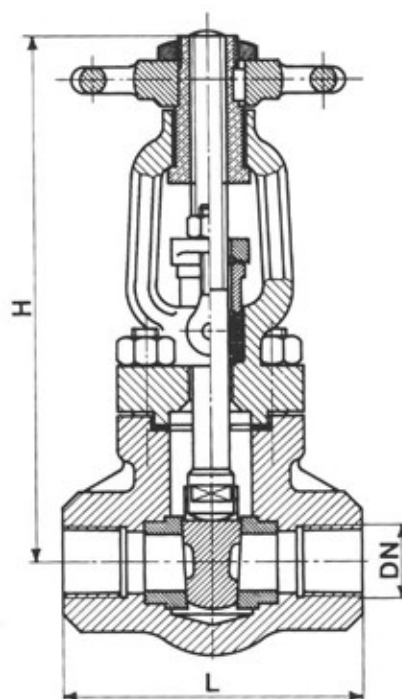
Options

S with stellite seats
 W with socket welding outlets ANSI B 16.11

Art. 47400	Body hydraulic pressure test : 2225 psi equal to 153 bar.							
Serie 600	Working pressure : 1480 psi at 100°F equal to 102.1 bar at 38 °C For other temperatures and other materials see the Table ANSI B 16.34-1981							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	60	70	92	111	127	140	172	210
H	125	170	172	205	248	279	291	300
≈ kg	1,1	1,9	2,9	3,7	4,7	9,0	11	18

Art. 47410 47420	Body hydraulic pressure test : 3000 psi equal to 207 bar.							
Serie 800	Working pressure : 2000 psi at 100°F equal to 138 bar at 38°C; 800 psi at 850 °F equal to 55 bar at 454 °C For other temperatures see Table BS 3808							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L (*)	60	60	70	92	111	127	140	159
H (*)	132	132	154	176	179	222	272	314
≈ kg	1,1	1,1	1,9	2,9	3,7	5,7	8,9	15

(*) Reduced Bore type. For the full passage type dimensions on request



Art. 47400 **Serie 600**
47410 **Serie 800**

"Round Bolted Bonnet " Gate Valves ANSI in forged steel with thread outlets

N 47460 series 900/1500
N 47470 series 2500

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This gate valve is specific for the oil products interception, but also suitable for water , steam , air, gas etc.
Round bonnet provided with raised face and bolted

on the body - outside screw ground stem not in contact with the fluid - the seal seats are chucked on the body and provided with raised faces for an easy renewal - the wedge is provided with guides for a right positioning on the seat - back sealing for the gland gaskets renewal under pressure with open gate valve - fixed handwheel and raising stem - eye-ball gland bolts - very little pressure drops with open gate valve

Thread socket outlets ANSI B 2.1 (NPT)

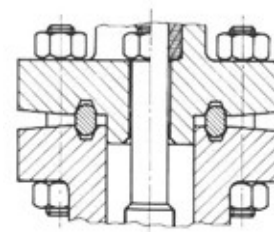
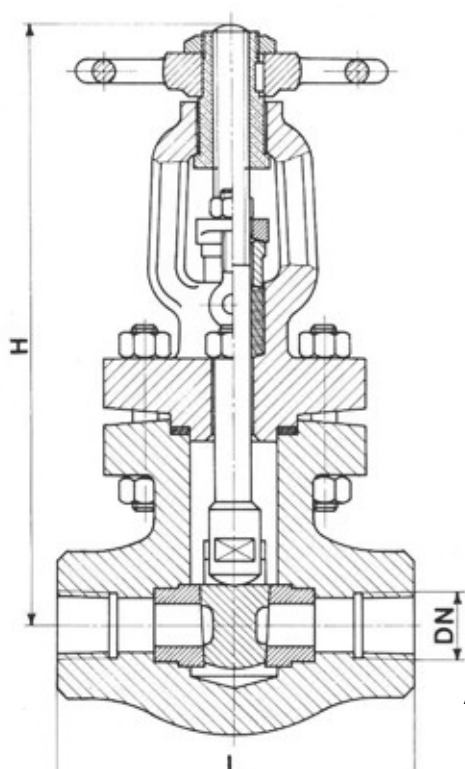
Options

R with Ring-Joint type body-bonnet junction, particularly suitable for steam
S with stellited seats
W with socket welding outlets ANSI B 16.11

Art. 47460	Body hydraulic test : 5575 psi equal to 384 bar.						
Serie 900/1500 (*)	Working pressure : 3705 psi at 100°F equal to 255.3 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34 - 1981						
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
L	114	114	114	127	165	216	216
H	310	310	310	336	400	491	491
≈ kg	8,8	8,8	8,8	12	21	45	45

(*) Reduced Bore type. For the full passage type dimensions on request

Art. 47470	Body hydraulic pressure test : 9275 psi equal to 639 bar.						
Serie 2500	Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C For other temperatures and other materials see the Table ANSI B 16.34-1981						
DN	1/4	3/8	1/2	3/4	1	1 1/4	
L	114	114	127	165	216	216	
H	310	310	336	400	491	491	
≈ kg	8,8	8,8	12	21	45	45	



Variant R

Art. 47460 Serie 900/1500
47470 Serie 2500

Ball Valves in steel Series 800

N 47510 **reduced bore type**
N 47520 **full bore type**

Materials

The body , ring nut and stem are forged steel ASTM A 105 - the ball is stainless steel AISI 304 up to 2" and chromim - plated thickness steel for bigger sizes - the gaskets are PTFE (Teflon) or glass loaded PTFE on request.

Features

This interception valve has a perfect pneumatic sealing and it is suitable for air, gas , vacuum

systems , water,oil, fuels etc.

The body is practically a monobloc with a thread ring nut, which maintains the ball in the right position after its assembling.

Fire - safe floating ball - stopping device in the "open" and "close" positions - the stem is provided with raised face against the ejection from the body - very little pressure drops for the narrow gage and negligible pressure drops for the full gage.

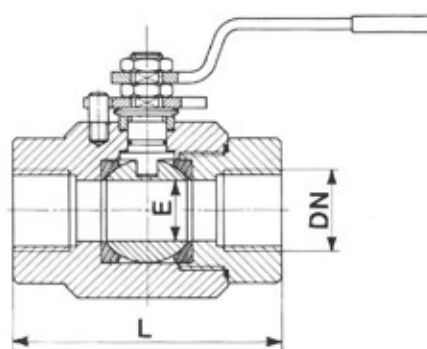
Thread socket outlets ANSI B2.1 (NPT)

Options

X with stainless steel ball AISI 316

Art. 47510	Body hydraulic pressure test: 3000 psi equal to 207 bar										
Serie 800	Working Pressure : 2000 psi equal to 138 bar up to 150 °C										
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L	-	-	65	75	90	100	115	130	140	168	203
E	-	-	10	14	21	25	32	38	48	65	73
≈ kg	-	-	0,6	0,8	1,4	1,9	3,0	4,2	6,8	13	18

Art. 47520	Body hydraulic pressure test: 3000 psi equal to 207 bar										
Serie 800	Working Pressure : 2000 psi equal to 138 bar up to 150 °C										
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L	65	65	75	90	100	115	130	140	168	203	225
E	10	10	14	21	25	32	38	48	65	73	94
≈ kg	0,6	0,6	0,8	1,4	1,9	3,0	4,2	6,8	13	18	30



Art. 47520

Four Tie-Rods "Wafer Type" Ball Valves in steel Series 600 with thread outlets

N 47540 **reduced bore type**
N 47550 **full bore type**

Materials

The body and thread ends are in forged steel ASTM A 105 - the ball is stainless steel AISI 304 - the gaskets are PTFE (Teflon)

Features

This interception valve has a perfect pneumatic sealing and it is suitable for air, gas, vacuum systems, water, oil, fuels etc.

The body is practically a monobloc with a thread ring nut, which maintains the ball in the right position after its assembling.

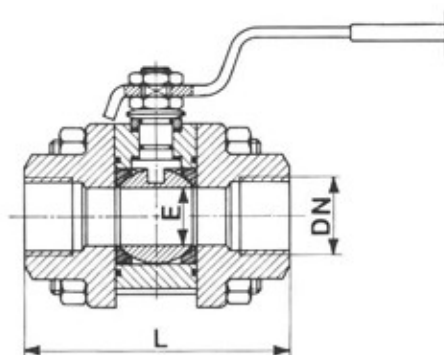
Fire - safe floating ball - stopping device in the "open" and "close" positions - the stem is provided with raised face against the ejection from the body - very little pressure drops for the narrow gage and negligible pressure drops for the full gage. Thread socket outlets ANSI B2.1 (NPT)

Options

X with stainless steel ball AISI 316

Art. 47540	Body hydraulic pressure test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 102,1 bar at 38°C For other temperatures up to 150°C max see the Table ANSI B 16.34-1981										
Serie 600											
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L	-	-	75	75	90	105	110	130	145	202	210
E	-	-	10	14	21	25	32	38	48	65	73
≈ kg	-	-	0,6	0,7	1,4	2,2	3,3	4,3	7,3	15	20

Art. 47550	Body hydraulic pressure test : 2225 psi equal to 153 bar. Working pressure : 1480 psi at 100°F equal to 102,1 bar at 38°C For other temperatures up to 150°C max see the Table ANSI B 16.34-1981										
Serie 600											
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L	75	75	75	90	105	110	130	145	202	210	230
E	10	10	14	21	25	32	38	48	65	73	94
≈ kg	0,6	0,6	0,7	1,4	2,2	3,3	4,3	7,3	15	20	30



Art. 47550

"Bolted Bonnet" Lift Check Valves ANSI in forged steel with thread outlets

N 48200 **series 600**
N 48210 **series 800 reduced bore type**
N 48220 **series 800 full bore type**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve is specific for horizontal pipings and oil products, but it is also suitable for water, steam, air, gas, etc.

The body is provided with raised face and bolted on the body - the passages in the body are obtained by means of mechanical work on the body and provided with raised faces for an easy substitution - lift shutter with guide chamber.

Thread socket outlets ANSI B 2.1 (NPT)

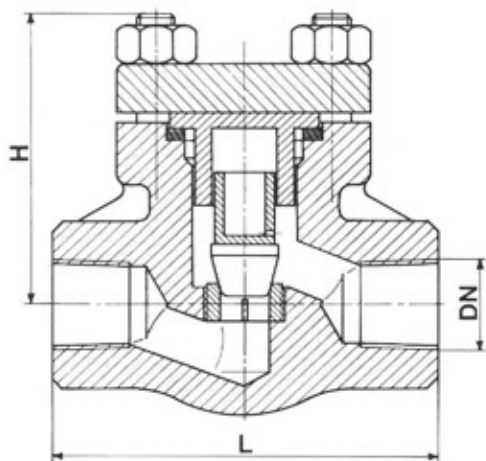
Options

M with recovery spring on the shutter for a quick locking
O with ball shutter
S with stellite seats
W with socket welding outlets ANSI B 16.11

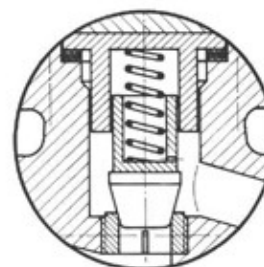
Art. 48200 Serie 600	Body hydraulic pressure test: 2225 psi equal to 153 bar Working pressure: 1480 psi at 100°F equal to 102,1 bar a 38°C; For other temperatures and other materials see the Table ANSI B 16.34-1981							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	70	70	92	111	127	152	172	210
H	54	54	67	76	89	102	121	146
≈ kg	0,9	0,9	2,0	2,7	3,2	5,1	7,9	12

Art. 48210 48220 Serie 800	Body hydraulic pressure test: 3000 psi equal to 207 bar Working pressure: 2000 psi at 100°F equal to 138 bar at 38°C; 800 psi at 850°F equal to 55 bar at 454°C; For other temperatures see the Table BS 3808							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L (*)	60	60	70	92	111	127	140	159
H (*)	45	45	62	70	78	86	106	121
≈ kg	0,9	0,9	1,2	1,9	2,5	4,3	6,9	11

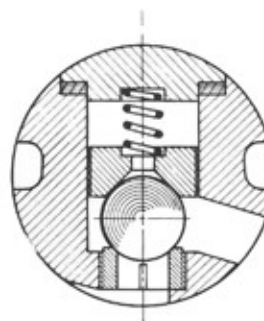
(*) Reduced Bore type. For the full passage type dimensions and weights are as per the series 600



Art. 48200 **Serie 600**
48210 **Serie 800**



Variant M



Variant O

"Bolted Bonnet" Swing Check Valves ANSI in forged steel with thread outlets

N 48300 **series 600**
N 48310 **series 800 reduced bore type**
N 48320 **series 800 full bore type**

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve may be installed on horizontal and vertical pipings and it is specific for oil products but also suitable

for water, steam, air, gas, etc. The bonnet is provided with raised face and it is bolted on the body - the passages in the body are obtained by means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy substitution - the swing is completely upraising with little pressure drops.

Thread socket outlets ANSI B 2.1 (NPT)

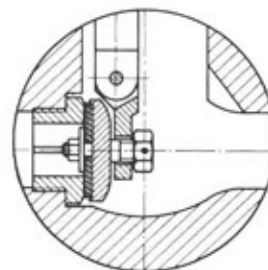
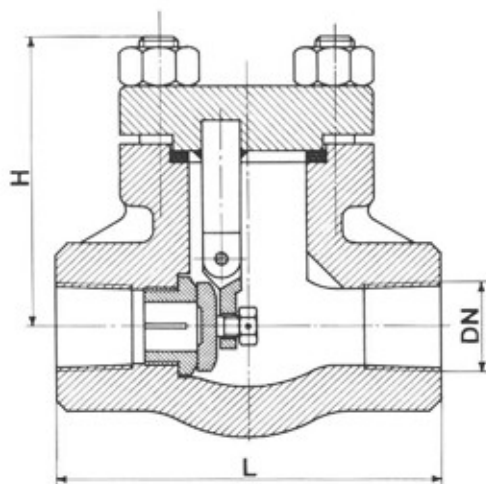
Options

D with renewable gasket shutter
S with stelliated seats
W with socket welding outlets ANSI B 16.11

Art. 48300	Body hydraulic test : 1125psi equal to 77 bar.							
Serie 600	Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C. For other temperatures and other materials see the Table ANSI B 16.34 - 1981							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	70	70	92	111	127	152	172	210
H	54	54	67	76	89	102	121	146
≈ kg	0,9	0,9	2,0	2,7	3,2	5,1	7,9	12

Art. 48310 48320	Body hydraulic pressure test : 3000 psi equal to 207 bar.							
Serie 800	Working pressure : 2000 psi at 100°F equal to 138 bar at 38°C.; 800 psi at 850 °F equal to 55 bar at 454°C For other temperatures see Table BS 3808							
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L (*)	60	60	70	92	111	127	140	159
H (*)	45	45	62	70	78	86	106	121
≈ kg	0,9	0,9	1,2	1,9	2,5	4,3	6,9	11

(*) Reduced bore type. For the full bore type dimensions and weight are as per the series 600



Variant D

Art. 48300 **Serie 600**
48310 **Serie 800**

"Round Bolted Bonnet" Swing Check Valves ANSI in forged steel with flanged outlets

N 48360 **series 900/1500**
N 48370 **series 2500**

in the body are obtained by means of mechanical work - conic seat seal seat screwed on the body and provided with raised faces for an easy substitution - the swing is completely upraising with little pressure drops. Thread socket outlets ANSI B 2.1 (NPT)

Materials

The body and bonnet are forged steel ASTM A 105 - the seal seats are 13% Cr stainless steel ASTM A 182 Gr F6

Features

This valve may be installed on horizontal and vertical pipings and it is specific for oil products but also suitable for water, steam, air, gas, etc. Round bonnet provided with raised face and bolted on the body - the passages

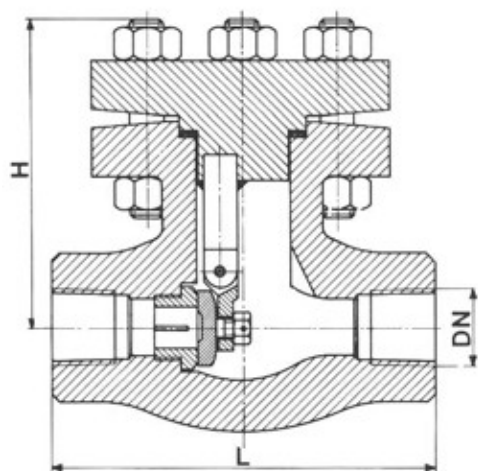
Options

- D with renewable gasket shutter
- S with stelliated seats
- R with Ring-Joint type body-bonnet junction, particularly suitable for steam
- W with socket welding outlets ANSI B 16.11

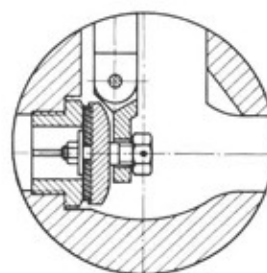
Art. 48360	Body hydraulic pressure test : 5575 psi equal to 384 bar.						
Serie 900/1500 (*)	Working pressure : 3705 psi at 100°F equal to 2551.3 bar at 38°C. For other temperatures and other materials see the Table ANSI B 16.34 - 1981						
DN	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
L	114	114	114	127	165	216	216
H	156	156	156	184	197	251	251
≈ kg	13	13	13	19	26	52	52

(*) For these DN the series 900 and 1500 are equal

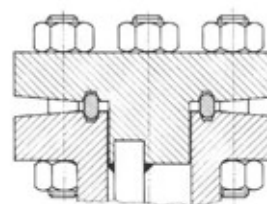
Art. 48370	Body hydraulic pressure test : 9275 psi equal to 639 bar.					
Serie 2500	Working pressure : 6170 psi at 100°F equal to 425.5 bar at 38°C. For other temperatures and other materials see the Table ANSI B 16.34 - 1981					
DN	1/4	3/8	1/2	3/4	1	1 1/4
L	114	114	127	165	216	216
H	156	156	184	197	251	251
≈ kg	13	13	19	26	52	52



Art. 48360 **Serie 900/1500**
48370 **Serie 2500**



Variant D



Variant O

Strainers ANSI in cast steel with flanged outlets.

micron.

N 49000 **series 150**
N 49020 **series 300**

Options

Materials

- T with discharging plug
- V with exhaust valve
- X with stainless steel AISI 316 basket

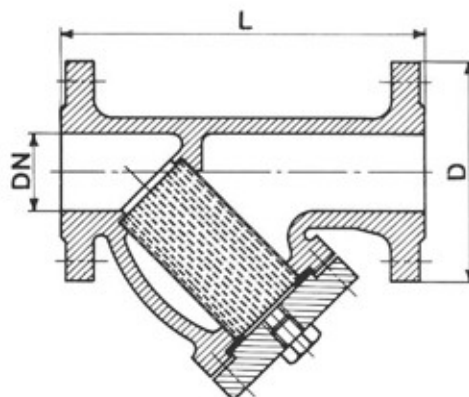
The body and bonnet are cast steel ASTM A 216 Gr WCB - the net is stainless steel AISI 304.

Features

"Y" strainer with extractable basket - the bonnet is bolted on the body - the flanges are sized and drilled according to the Table ANSI B 16.5, and generally supplied with raised face and seal groove. On request, special double filtering basket executions with filtering degree up to 50

Art. 49000	Body hydraulic test : 450 psi equal to 31 bar. Working pressure : 285 psi at 100°F equal to 19.6 bar at 38°C									
Serie 150	For other temperatures and other materials see the Table ANSI B 16.34 - 1981									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	127	152	178	191	229	254	279	343	406	483
L	165	203	216	241	292	356	406	495	622	699

Art. 49020	Body hydraulic test : 1125 psi equal to 77 bar. Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C									
Serie 150	For other temperatures and other materials see the Table Series 600									
DN	40	50	65	80	100	125	150	200	250	300
	1 1/2	2	2 1/2	3	4	5	6	8	10	12
D	156	165	191	210	254	279	318	381	445	521
L	229	267	292	318	356	400	445	559	622	711



Art. 49000 Serie 150
 49020 Serie 300

Stainer ANSI Series 600 in forged steel with thread outlets

N 49100

Materials

The body and bonnet are forged steel ASTM A 105 - the net is stainless steel AISI 304.

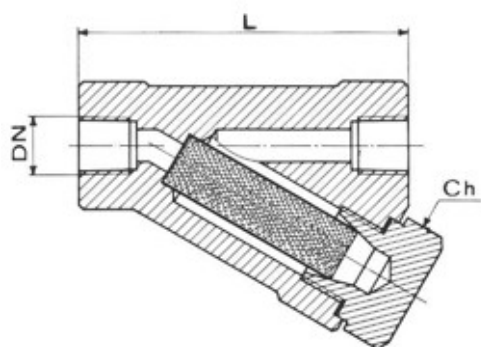
Features

The net has 3500 holes per dm² - thread socket outlets ANSI B 2.1 (NPT)

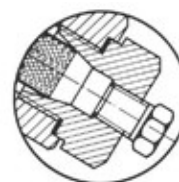
Options

T with discharging plug on the bonnet
W with socket welding outlets ANSI B 16.11

Art. 49100	Body hydraulic test : 1125 psi equal to 77 bar.					
Serie 300	Working pressure : 740 psi at 100°F equal to 51.1 bar at 38°C					
	For other temperatures and other materials see the Table Series 600					
DN	3/8	1/2	3/4	1	1 1/4	1 1/2
L	104	104	110	162	198	198
Ch	36	36	40	50	75	75



Art. 49100



Variant T

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