

Serie 11.000 - 11.000M



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DATASHEET

Y-filter sa prirubicama i otvorom za drenažu i "M" verzija sa magnetom
Flanged Y strainer with drain and "M" version with Magnet



b-Smart, Be-Brandoni



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Y-filter sa otvorom za drenažu / Flanged Y strainer with drain

Filteri serija 11.000 i 11.000M su prirubnički Y-filteri sa telom od livernog gvožđa, izrađeni u skladu sa relevantnim važećim normama. Neophodni su za zaštitu pumpi, ventila, uređaja za sprečavanje povratnog toka i reducira pritiska od nečistoća prisutnih u sistemima (rđa, ostaci zavarivanja, strana tela).

Model 11.000M opremljen je magnetom koji poboljšava zadržavanje čestica gvožđa i nečistoća. Pogodni su za upotrebu u sistemima grejanja i hlađenja (HVAC), distribucije vode i za primenu u poljoprivredi i industriji.

Idealni su za: instalaciju u horizontalnom i vertikalnom položaju.

Ne preporuču se: za paru.

The filters in series 11.000 and 11.000M are flanged Y filters, with a body made of cast iron, which are manufactured in accordance with severe product norms. They are a prerequisite for protecting pumps, valves, backflow preventers and pressure reducing valves against dirt (rust, welding parts, solids).

Type 11.000M is equipped with a magnetic rod that improves the retention of ferrous particles and impurities.

The filters are suitable for chemical, food and industrial plants. Also for heating and cooling (HVAC), for the distribution of water, and for agricultural purposes.

YES: for installation in horizontal and vertical positions.

NO: for steam.

Sertifikati / Certifications



U skladu sa D.M. 174 (direktiva 98/83/CE)

In conformity with D.M. 174 (directive 98/83/CE)

Standardi konstrukcije i ispitivanja (ekvivalenti):

Mere: EN558-1 ISO 5752

Prirubnice: EN 1092 ISO 7005

Oznaka: EN19

Ispitivanje: ispitano 100% u skladu sa EN 12266

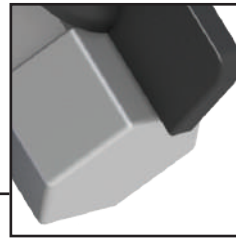
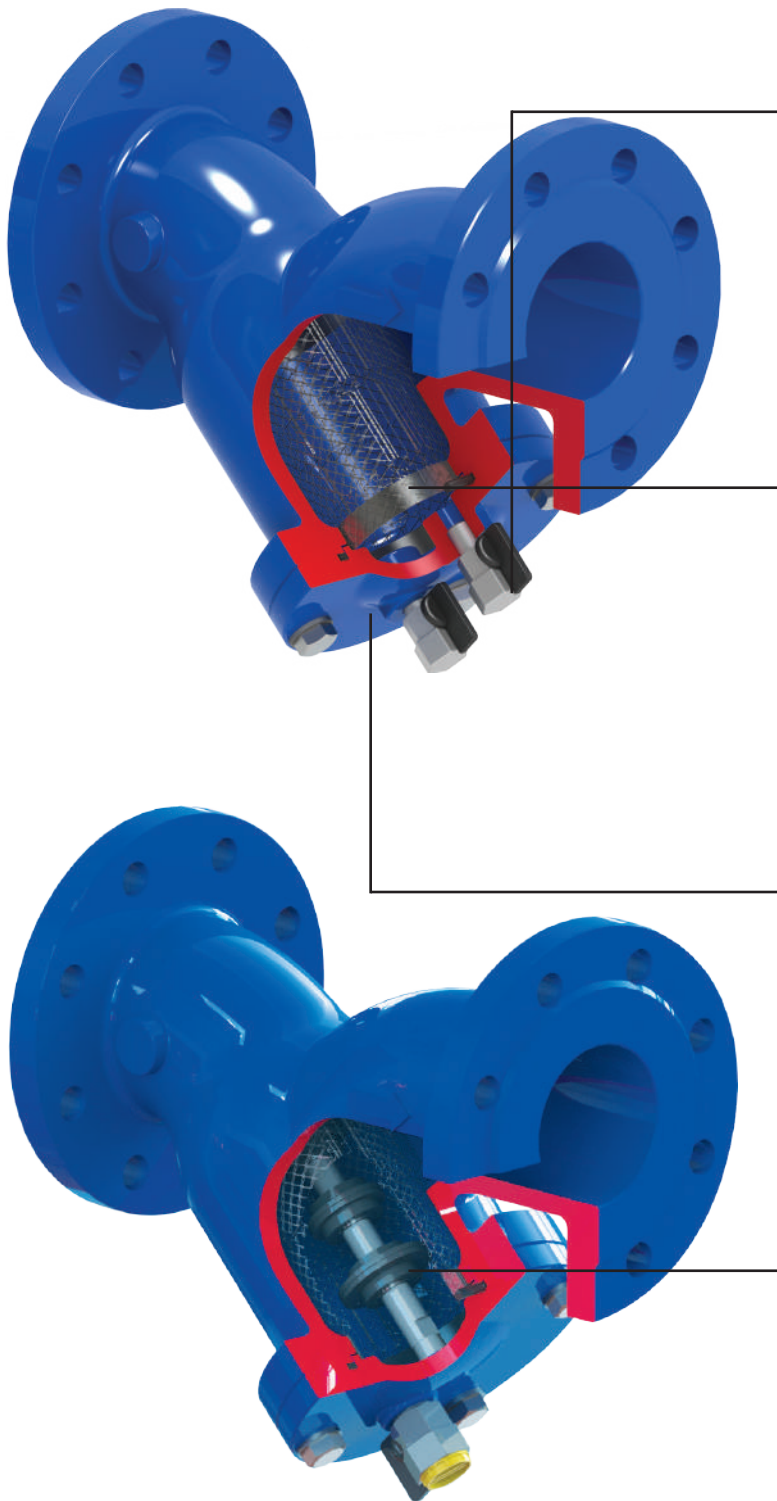
Design and testing standards (correspondences):

Face-to-face: EN558-1 ISO 5752

Flanges: EN 1092 ISO 7005

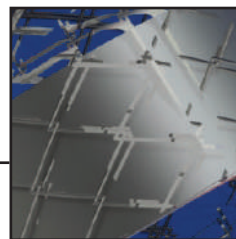
Marking: EN19

Testing: 100% testing in accordance with EN 12266



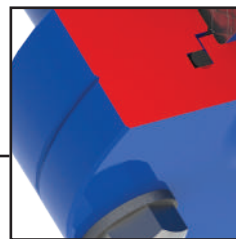
Čepovi ili mini ventili (1 za dimenzije do DN100, 2 za dimenzije DN125 i veće) za potpuni odvod u obe pozicije ugradnje.

Plugs or mini-valves (1 pc up to DN 100, 2 ≥ for DN 125) for complete drainage in both of the installation positions.



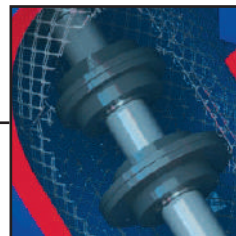
Filter korpa od nerđajućeg čelika. Žičani filter koji minimizuje pad pritiska opremljen je prstenovima koji sprečavaju deformacije pri maksimalnom pritisku.

Strainer made of stainless steel metallic wire, for minimizing head losses, equipped with reinforced rings to prevent deformation at high pressure.



Poklopac koji se može skinuti radi inspekcije i održavanja.

Removable bonnet for inspection and maintenance.



Magnetna šipka privlači i zadržava čestice gvožđa.

Magnetic rod for magnetic ferrous particles segregation.

Serie 11.000 - 11.000M

Y-filter sa otvorom za drenažu / Flanged Y strainer with drain

Sa otvorom za drenažu /
With drain

Sa slavinom / With mini-valve



11.000

Telo: EN GJL 250
Filter: AISI 304
Temp: od -10 do +100°C

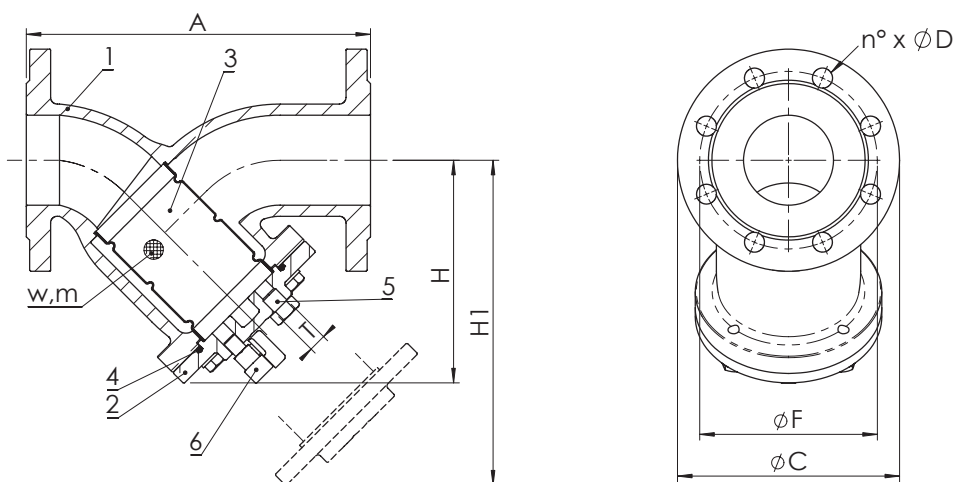
Body: EN GJL 250
Strainer: AISI 304
Temp: -10 +100°C



11.000

Telo: EN GJL 250
Filter: AISI 304
Slavina: kugla M/Ž, mesing
Temp: od -10 do +100°C

Body: EN GJL 250
Strainer: AISI 304
Mini-valve: ball valve M/F, in
brass Temp: -10 +100°C



Dimenzije (mm) / Dimensions (mm)

DN		32	40	50	65	80	100	125	150	200	250	300	350	400
A	EN558/1-1	180	200	230	290	310	350	400	480	600	730	850	980	1100
H		96	109	145	155	200	240	290	330	380	480	540	606	690
H1		140	162	196	240	280	316	390	470	624	720	840	980	1080
Prečnik žice, w - Diameter of wire, w		0,6	0,6	0,6	0,6	0,8	0,8	0,8	0,8	1	1	1	1	1
Širina mrežice, m' - Mesh width, m		0,8	0,8	0,8	0,8	1,2	1,2	1,2	1,2	1,6	1,6	1,6	1,6	1,6
C		140	150	165	185	200	220	250	285	340	405	460	520	580
F	EN 1092 PN16	100	110	125	145	160	180	210	240	295	355	410	470	525
n x D		4 x 14	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	12 x 23	12 x 27	12 x 27	16 x 27	16 x 31
T	ISO 228/1	1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
Broj čepova/ slavina - Number of plugs/ minivalves		1	1	1	1	1	1	2	2	2	2	2	2	2

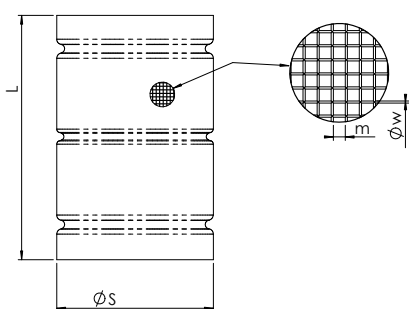
Težina (kg) / Weight (kg)

11.000		6,5	7,5	11	16	21	27	37	56	91	144	185	294	392
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Materijali / Materials

	Componente - Component	Materijal - Material
1	Telo - Body	EN GJL 250
2	Poklopac - Bonnet	EN GJL 250
3	Filter - Strainer	AISI 304
4	Dihlung poklopca - Bonnet gasket	EPDM
5	Čep - Plug	Ugljenični čelik, pocinkovan - Galvanized carbon steel
6	Slavina - Mini-valves	Mesing - Brass
7	Šrafovi - Bolting	AISI 304

Filter korpa / Screen



Dimenzije (mm) / Dimensions (mm)

DN	32	40	50	65	80	100	125	150	200	250	300	350	400
L	70	82	96	119	139	157	194	234	310	358	407	485	535
S	38	46	57	76	91	112	136	162	215	261	315	378	423
Prečnik žice, w - Diameter of wire, w	0,6	0,6	0,6	0,6	0,8	0,8	0,8	0,8	1	1	1	1	1
Širina mrežice, m - Mesh width, m	0,8	0,8	0,8	0,8	1,2	1,2	1,2	1,2	1,6	1,6	1,6	1,6	1,6

Težina (kg) / Weight (kg)

DN	32	40	50	65	80	100	125	150	200	250	300	350	400
Filter korpa - screen	0,03	0,04	0,06	0,16	0,22	0,30	0,44	0,61	1,25	1,73	2,35	3,30	4,10

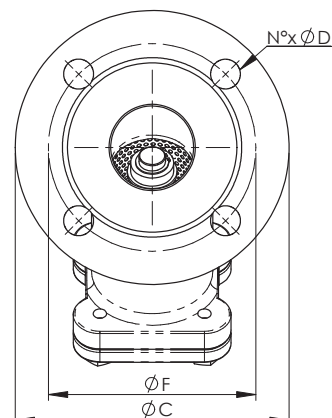
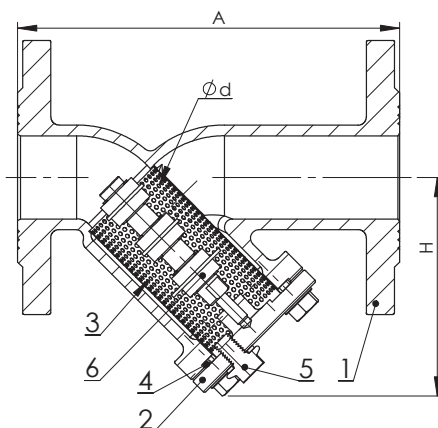
Sa magnetom / With Magnet



11.000 M

Telo: EN GJL 250
Filter: AISI 304
Temp: od -10 do +100°C

Body: EN GJL 250
Screen: AISI 304
Temp: -10 +100°C



Dimenzije (mm) / Dimensions (mm)

DN		40	50	65	80	100	125	150
A	EN558/1 - 1	200	230	290	310	350	400	480
H		109	145	155	200	240	290	330
H ₁		162	196	240	280	316	390	470
Prečnik žice, w - Diameter of wire, w		0,6	0,6	0,6	0,8	0,8	0,8	0,8
Širina mrežice, m * - Mesh width, m		0,8	0,8	0,8	1,2	1,2	1,2	1,2
C		150	165	185	200	220	250	285
F	EN 1092 PN16	110	125	145	160	180	210	240
n x D		4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23
T	ISO 228/1	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Broj čepova/ slavina - Number of plugs/ minivalves		1	1	1	1	1	2	2

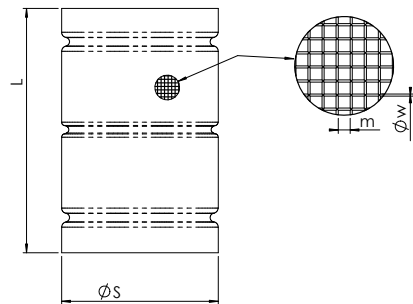
Težina (kg) / Weight (kg)

11.000		7,5	11	16	21	27	37	56
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Materijali / Materials

	Komponente / Component	Materijali / Material
1	Telo / Body	EN GJL 250
2	Poklopac / Bonnet	EN GJL 250
3	Filter / Screen	AISI 304
4	Dijung poklopca / Bonnet gasket	Nerdajući čelik + Grafit / Stainless Steel + Graphite
5	Čep / Plug	Ugljenični čelik, pocinkovan / Galvanized carbon steel
6	Magnetna šipka / Magnetic rod	Nerdajući čelik + Ferit / Stainless Steel + Ferrite
7	Šrafovi / Bolting	Ugljenični čelik, pocinkovan / Galvanized carbon steel

Filter korpa / Screen



Dimenzije (mm) / Dimensions (mm)

DN	40	50	65	80	100	125	150
L	82	96	119	139	157	194	234
S	46	57	76	91	112	136	162
Prečnik žice, w - Diameter of wire, w	0,6	0,6	0,6	0,8	0,8	0,8	0,8
Širina mrežice, m - Mesh width, m	0,8	0,8	0,8	1,2	1,2	1,2	1,2

Težina (kg) / Weight (kg)

DN	40	50	65	80	100	125	150
Filter korpa - screen	0,04	0,06	0,16	0,22	0,30	0,44	0,61

Maksimalni pritisak / Temperature

Tip fluida * - Fluids *	
Opasni gasovi - Hazardous gases	NE / NO
Neopasni gasovi - Non-hazardous gases	16 bar DN32-200 14 bar DN250 10 bar DN300-350 8 bar DN400
Opasne tečnosti - Hazardous liquids	NE / NO
Neopasne tečnosti - Non-hazardous liquids	16 bar
Voda** - Water**	16 bar

* opasni gasovi i tečnosti u skladu sa 2014/68/EU i 1272/2008 (CLP)

** Za sakupljanje, distribuciju i odvod vode (PED 2014/68/EU 1.1.2b)

* hazardous gas, liquids acc. 2014/68/EU e 1272/2008 (CLP)

** For supply, distribution and discharge of water (PED 2014/68/EU 1.1.2b)

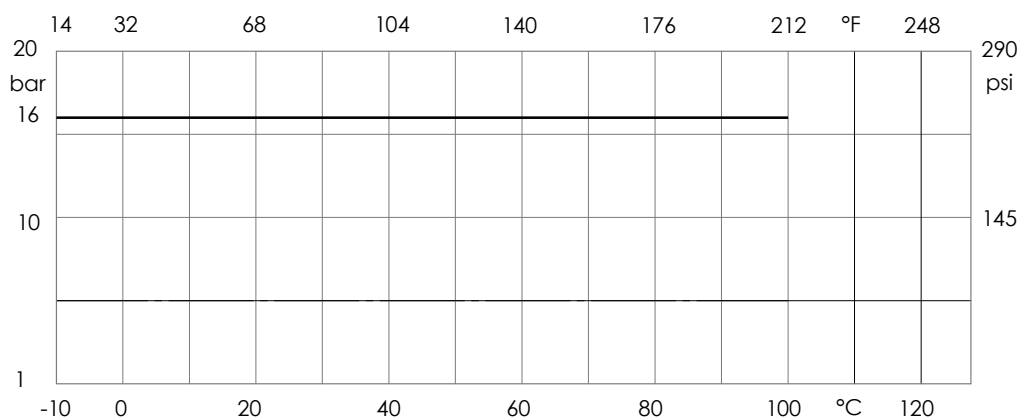
Temperatura / Temperature

Temperatura - Temperature	min °C	max°C - Max°C
	-10	100

Pažnja: maksimalni radni pritisak opada sa temperaturom, pogledati dijagram "Pritisak/Temperatura"

NB: the maximum working pressure decreases while the temperature increases; please refer to "pressure/temperature" chart

Dijagram Pritisak/Temperatura - Pressure/temperature chart



Pad pritiska Fluid: voda (1m H2O = 0,098bar) / Head loss Fluid: water (1m H2O = 0,098bar)

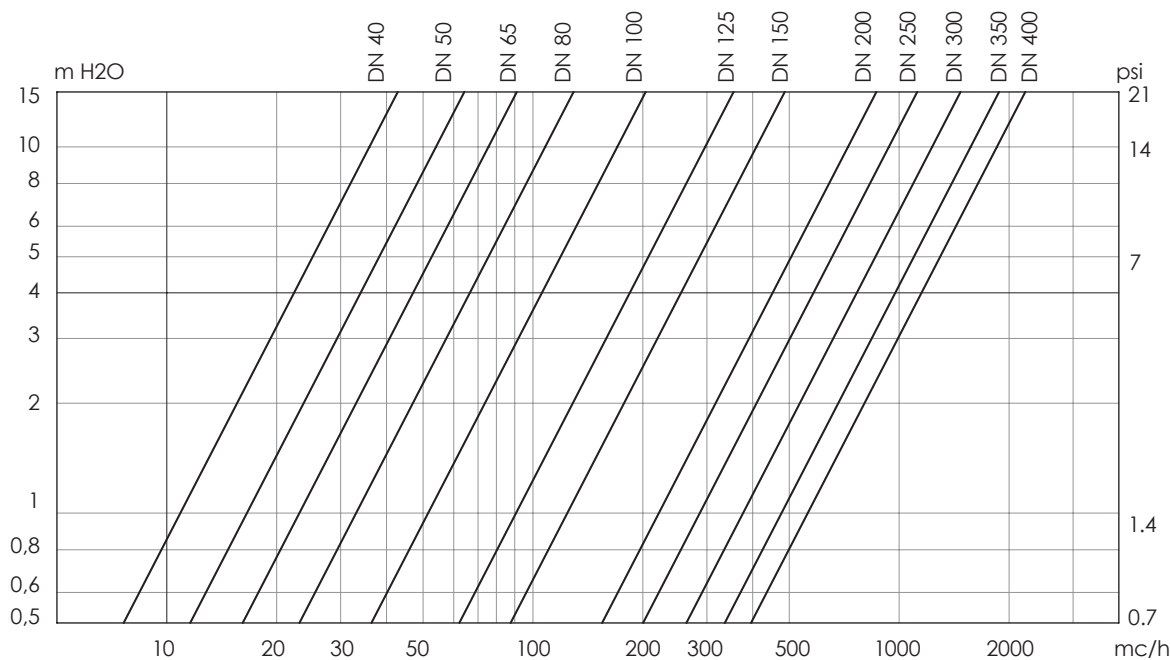


Tabela Kv - DN / Kv - DN chart

DN	40	50	65	80	100	125	150	200	250	300	350	400
Kv	36	54	76	108	170	295	408	725	938	1'233	1'570	1'850

Uputstva i upozorenja za modele serija 10.000 - 11.000 - 11.000M

SKLADIŠTENJE

Čuvati na hladnom i suvom mestu.

ODRŽAVANJE

Vodite računa da održavate filter čistim; neredovno čišćenje može dovesti do poremećaja rada filtera i izazove njegovu deformaciju ili napuknuća.

Čepovi / slavine omogućavaju potpuni odvod nečistoća u obe pozicije instalacije.

UPOZORENJA

Pre bilo kakve intervencije održavanja ili demontaže:

- sačekajte da se cevi, ventili i fluid ohlade.
- isпустite pritisak i ispraznite sve vodove i cevi u slučaju prisustva toksičnih, korozivnih, zapaljivih ili kaustičnih tečnosti. Temperature preko 50°C i ispod 0°C mogu naštetiti ljudima.

UGRADNJA

- Rukovati pažljivo.
- Vodeni čekić može da izazove oštećenja i pucanje. Nagibi, skretanja i neusklađenost cevi mogu izložiti ventil prevelikom pritisku. Preporučujemo da ovakve situacije izbegavate koliko je moguće ili da koristite elastične kompenzatore koji mogu ublažiti njihove efekte.

NAPOMENA. Ovi ventili su jednosmerni: ugradite ih prema smeru strujanja naznačenom na telu.

ZA SERIJU 11.000: postavite ventil između prirubnica cevi i umetnite dihtunge između prirubnica ventila i prirubnica cevi. Proverite da li su dihtunzi pravilno postavljeni.

Razmak između protivprirubnica mora biti jednak ugradnoj dužini.

Nemojte koristiti šrafove protivprirubnica kako biste im približili cevi. Šrafovi moraju da budu pritegnuti unakrsno.

Nemojte zavarivati prirubnice na cevi nakon ugradnje ventila.

ODVOD

Potpuni odvod nečistoća može se obaviti u obe pozicije ugradnje.

Instruction and Recommendations for series 10.000, 11.000 - 11.000M

STORING

Keep in a cool and dry place.

MAINTENANCE

Ensure that the filtering strainer is kept clean: if the filter is not clean, this will compromise its action, and may cause deformations or ruptures.

The plugs and mini-valves allow complete drainage of the impurities in both of the installation positions.

RECOMMENDATIONS

Before carrying out maintenance or dismantling the valve:

- ensure that the pipes, valves and fluids have cooled down
- that the pressure has decreased and that the lines and pipes have been drained in case of toxic, corrosive, inflammable and caustic liquids.

Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

- Handle with care.

- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used in order to reduce such effects as much as possible.

NB. These valves are unidirectional: install in accordance with the flow direction arrow indicated on the body.

Series 11.000: Place the valve between the flanges of the pipe and install the seal between the pipe and valve flanges. Check that the seals are positioned correctly.

The distance between the counterflanges must be equal to the valve's face to face distance.

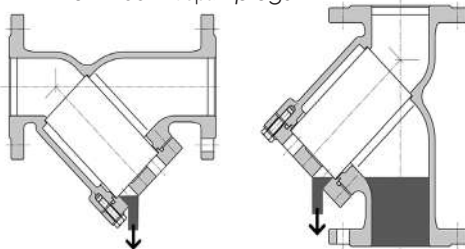
Do not use the bolts of the counterflanges to bring the piping close to them. The bolts must be cross tightened.

Do not weld the flanges to the piping after installing the valve.

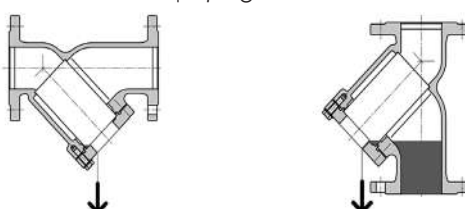
DRAIN

The impurities may be drained completely in both of the installation positions.

DN 125 ÷ 400 2 Čepa - plugs



DN 25 ÷ 100 1 Čep - plug



ODLAGANJE

Ukoliko ventil radi u dodiru sa otrovnim ili opasnim fluidima, preduzmite odgovarajuće mere i otklonite ostatke nečistoća u filteru. Osoblje mora biti propisno obučeno i opremljeno neophodnom zaštitnom opremom.

Pre odlaganja rastaviti ventil i razvrstati komponente prema vrsti materijala. Za više informacija pogledajte uputstvo za ovaj proizvod. Razvrstani materijal prosledite na reciklažu (na primer metalne delove) ili na odlaganje, u skladu sa lokalnim važećim propisima, vodeći računa o životnoj sredini.

DISPOSAL

For valve operating with hazardous media (toxic, corrosive...), if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices.

Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.

Podaci i karakteristike u ovom katalogu daju se samo u informativne svrhe. Kompanija Brandoni S.p.A. zadržava pravo izmene jedne ili više karakteristika ventila bez prethodne najave. Za više informacija posetite www.brandonivalves.com.

Brandoni SpA reserves the right to make changes in design and/or construction of the products at any time without prior notice.

For further information, please refer to www.brandonivalves.it