

Serie D6

Nepovratni ventil wafer sa duplim diskom

Dual-plate wafer check valve



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Nepovratni ventil wafer sa duplim diskom / Dual-plate wafer check valve

Ventili iz serije D6 su nepovratni ventili wafer sa duplim diskom, koji su proizvedeni u skladu sa najstrožim standardima i u skladu sa zahtevima kvaliteta EN ISO 9001.

Dostupni su u sledećim verzijama:

D6.0 > sa kućištem od livenog gvožđa, pogodno za primenu kod grejanja i hlađenja (KGH), tretmana i distribuciji vode, kod pumpnih stanica i industrijskih aplikacija.

D6.6 > od nerđajućeg čelika CF8M takođe je pogodan za hemijska postrojenja.

(Budite sigurni da ste izabrali odgovarajući artikal)

Pogodni su za: horizontalnu ili vertikalnu ugradnju.

The valves in series D6 are dual-plate wafer check valves, which are manufactured in accordance with the most severe product norms, and in conformity with the quality requirements of EN ISO 9001.

They are available in the following versions:

D6.0 > with cast iron body, suitable for heating and conditioning (HVAC), water treatment and distribution, pumping stations and industrial applications.

D6.6 > in stainless steel CF8M, suitable also for chemical plants.

(Please ensure the choice of the corresponding item)

YES: for installing in horizontal or vertical position.

Sertifikati / Certifications



Standardi konstrukcije i ispitivanja (ekvivalentno):

Licem-u-lice: EN558 ISO 5752

Prirubnice: EN 1092 ISO 7005

Obeležavanje: EN19

Ispitivanje: 100% testirano u skladu sa EN 12266

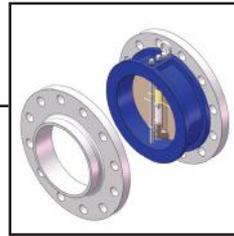
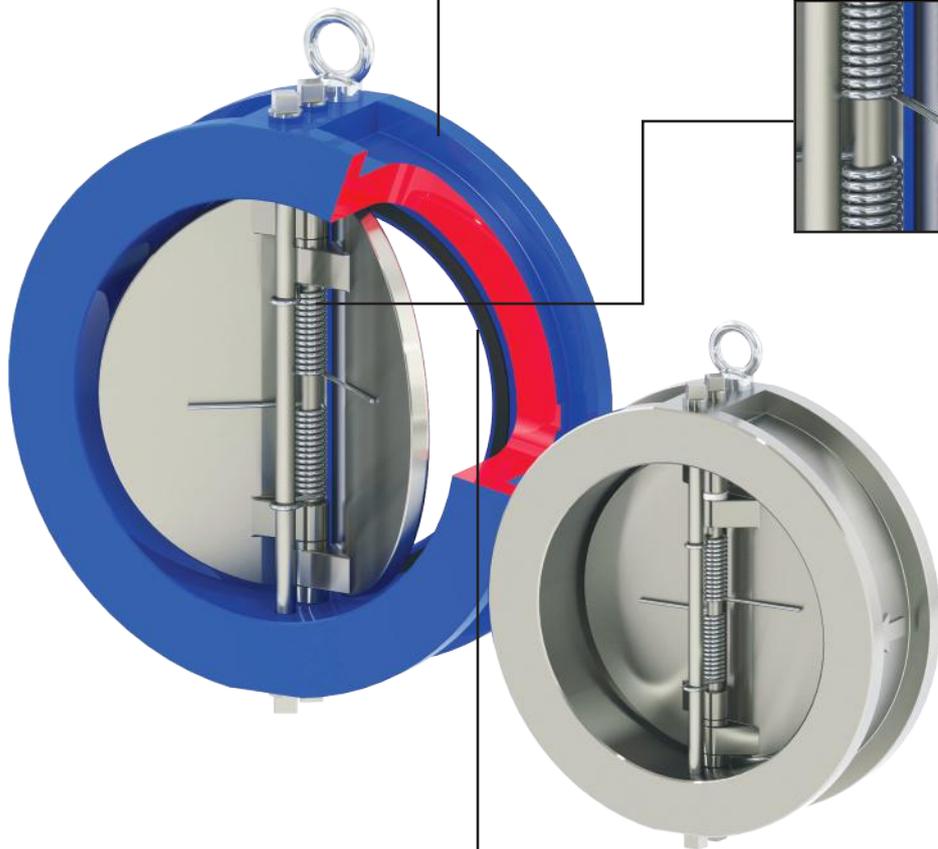
Construction and testing norms (correspondences):

Face-to-face: EN558 ISO 5752

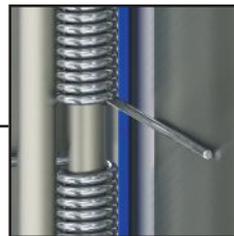
Flanges: EN 1092 ISO 7005

Marking: EN19

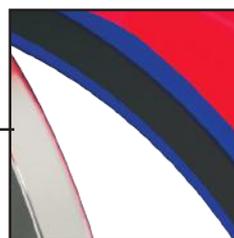
Testing: 100% testing in accordance with EN 12266



Montaža između prirubnica,
smanjene dimenzije.
*Mounting between flanges,
reduced dimensions.*



Opruga od nerđajućeg čelika
omogućava zatvaranje diska i
omogućava ugradnju ventila u bilo
kojem položaju.
*The stainless steel spring allows the
disc to close; consequently, the valve
may be mounted in all positions.*



Gumeno sedište vulkanizovano za
telo, obezbeđujući pouzdanu ne-
propusnost.
*Rubber seat vulcanized on to the
body, assuring reliable no leakage
tightness.*

Nepovratni ventil wafer sa duplim diskom / Dual-plate wafer check valve

Telo od livenog gvožđa / Cast iron body



D6.021

Telo: liveno gvožđe
Zatvarač: AISI 316
Zaptivač: EPDM
Temp: od -10 do +100°C

Body: cast iron
Shutter: AISI 316
Seal: EPDM
Temp: -10 +100°C



D6.031

Telo: liveno gvožđe
Zatvarač: Nodularni liv
Zaptivač: EPDM
Temp: od -10 do +100°C

Body: cast iron
Shutter: ductile iron
Seal: EPDM
Temp: -10 +100°C

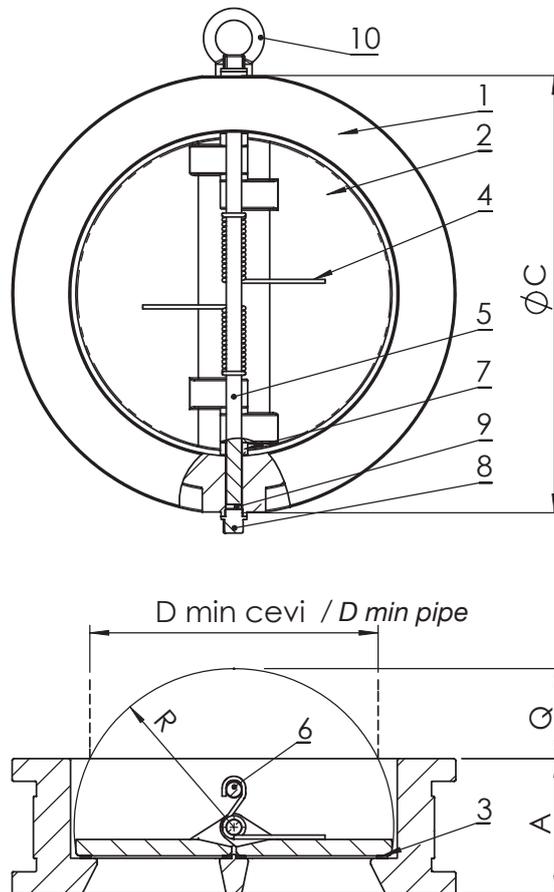
Telo od nerđajućeg čelika (inox-a) / Body in stainless steel



D6.622

Telo: nerđajući čelik
Zatvarač: nerđajući čelik
Zaptivač: FKM
Temp: od -20 do +100°C

Body: Stainless steel
Shutter: Stainless steel
Seal: FKM
Temp: -20 +100°C



Dimenzije (mm) / Dimensions (mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A EN 558-1/16	43	43	46	64	64	70	76	89	114	114	127	140	152	152	178
C PN16	91	107	127	142	162	192	218	273	328	378	437	488	555	618	733
C PN10	-	-	-	-	-	-	-	-	-	-	437	488	539	594	695
R	25,8	27	35	42	50	64	77	102,5	125	146	170	195	215	238	292
Q	6,8	8,6	15,2	14,3	22,3	33,7	45,4	69,6	74,5	102,7	124,7	142,7	156,8	179,7	217,4
D cev min - min pipe	36	42	60	66	86	115	143	197	231	281	330	378	416	464	567

Težina (kg) / Weight (kg)

D6.0	1,08	1,5	2,2	3,71	4,41	6,14	9	14,4	27,05	36	45,17	59,38	83,49	98,13	178,81
D6.6	0,97	1,69	2,46	3,93	4,79	6,27	9,33	14,97	28,32	37,83	49,05	63,4	92,98	102,22	185,75

Materijali / Materials

	Komponenta - Component	Materijal - Material		
		D6.031	D6.021	D6.622
1	Telo - Body	Liveno gvožđe - Cast iron EN GJL 250		Nerdajući čelik - Stainless steel ASTM A351 gr. CF8M
2	Disk - Disc	Nodularni liv - Ductile iron EN GJS 400	Nerdajući čelik - Stainless steel AISI 316	Nerdajući čelik - Stainless steel ASTM A351 gr. CF8M
3	Zaptivač - Seal	EPDM		FKM (Viton®)
4	Opruga - Spring	Nerdajući čelik - Stainless steel AISI 316		
5	Igla - Hinge pin	Nerdajući čelik - Stainless steel AISI 316		
6	Zaustavna igla - Stop pin	Nerdajući čelik - Stainless steel AISI 316		
7	Klizna podloška - Sliding washer	PTFE		
8	Utikač - Plug	Karbonski čelik - Carbon steel		Nerdajući čelik - Stainless steel
9	Zaptivka utikača - Plug seal	PTFE		
10	Ušica - Eyebolt	Karbonski čelik - Carbon steel		Nerdajući čelik - Stainless steel

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Maksimalni pritisak / Maximum pressure

Tip fluida* - Fluids*	D6.0	D6.6
Opasni gasovi - Hazardous gases	NE / NO	NE / NO
Gasovi koji nisu opasni - Non-hazardous gases	10 bar DN40-100 6 bar DN125-150 3 bar DN200-300 NO DN>=350	10 bar DN40-100 6 bar DN125-150 3 bar DN200-300 NO DN>=350
Štetne tečnosti - Hazardous liquids	NE / NO	16 bar DN40-125 10 bar DN150-200 6 bar DN250-300 3 bar DN350-600
Tečnosti koje nisu štetne - Non-hazardous liquids	16 bar DN 40-300 10 bar DN 350-600	16 bar DN 40-300 10 bar DN 350-600
Voda** - Water**	16 bar	16 bar

* gas, opasne tečnosti u skladu sa 2014/68/EU i 1272/2008 (CLP)

** Za prikupljanje, distribuciju i odliva 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	min °C	max°C - Max°C	
		stalna - continuous	pik - peak
D6.021.D6.031	-10	100	110
D6.622	-20	100	110

Upozorenje: maksimalni radni pritisak opada dok temperatura raste, pogledajte dijagram "pritisak / temperatura"

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

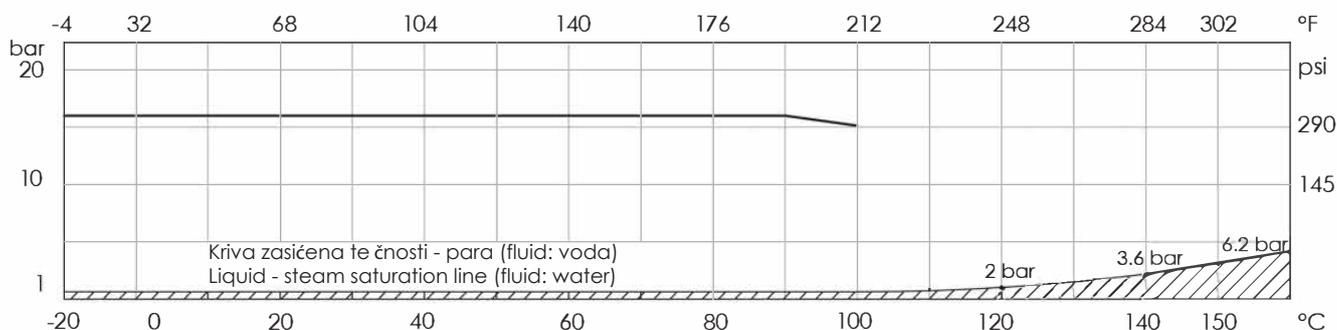
Minimalni pritisak otvaranja Cracking pressure

0,1 bar

Minimalni kontra pritisak Minimum Countrepressure

0,1 bar

Dijagram Pritisak/Temperatura / Pressure/temperature chart



NIJE POGODAN ZA PARU. NE koristiti u slučaju da su temperatura i pritisak ispod linije zasićenja tečnost-para (tačkasta oblast)

RANGE NOT SUITABLE FOR STEAM. DO NOT use in case temperature and pressure are below the saturation line liquid-steam (hatched area)

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

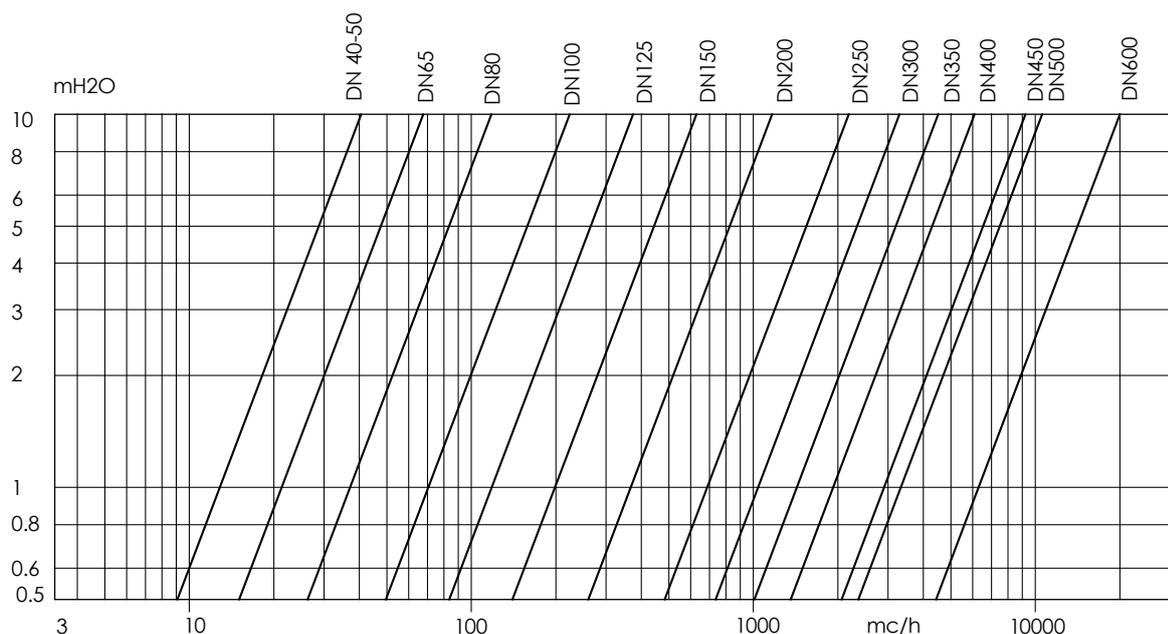


Tabela Kv - DN / Kv-DN chart

DN		40 - 50	65	80	100	125	150	200	250	300	350	400	450	500	600
Kv	mc/h	41	67	118	223	374	627	1167	2173	3286	4517	6076	9200	11553	19199

Uputstva i preporuke za seriju D6

SKLADIŠTENJE

Čuvati na zatvorenom i suvom mestu

ODRŽAVANJE

- Ukloniti ventil sa cevi i stavite na ravnu površinu.
- Uklonite utikače koji zatvaraju kućište igle 1 (fig. 1)
- Gurnite (pritiskite) iglu i izvadite je iz tela.
- Držite opruge fiksiranim tokom ove intervencije.
- Očistite komponente i proverite u kakvom su stanju sedišta i disk.
- Uklonite disk i ubacite iglu.

PREPORUKE

Pre održavanja i demontaže:

- budite sigurni da su cevi, ventili i fluidi ohlađeni
 - smanjite pritisak i drenirajte vodove i cevi u slučaju prisustva toksičnih, korozivnih, zapaljivih i kaustičnih tečnosti.
- Temperature iznad 50°C i ispod 0°C mogu naneti štetu ljudima.

UGRADNJA

- Pustupite sa pažnjom.
- Koristite isporučenu ušicu da bi podigli ventil.
- Unutarnji minimalni promer prirubnica mora biti odabran kako bi se omogućilo pravilno otvaranje diskova (fig. 2)
- Opruge 2 diska ne osiguravaju zatvaranje u nedostatku pritiska kada je ventil vertikalno postavljen u smeru silaznog fluida.
- Za montiranje u horizontalnom položaju igla mora uvek biti u vertikalnom položaju (fig. 3)
- Ne postavljajte u prisustvu povremenog protoka
- Ventil postavite u ravan deo cevovoda, što je moguće dalje od krivina, kolena i pumpi, izbegavajući u svakom slučaju porast turbulencija pored ventila.

NAPOMENA. Ovaj ventil je jednosmeran: ugradite prema smeru protoka označenom na telu ventila.

Instructions and Recommendations for series D6

STORING

Keep in a closed and dry place.

MAINTENANCE

- Remove the valve from the pipe and lean it on a plane surface
- Remove the plugs that close the housing of hinge pin 1 (Fig. 1)
- Push the pin and extract it from the body
- Keep the springs fixed during the operation
- Clean the components and control the status of the seats and plate
- Replace the plate and insert the hinge pin.

RECOMMENDATIONS

Before going to maintain or dismantling:

- be sure that pipes, valves and fluids are cooled down,
 - decrease pressure and drain lines and pipes in case of presence of toxic, corrosive, inflammable and caustic liquids.
- Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

- Handle with care.
- Use the supplied eyebolt to lift the valve.
- the internal minimum diameter of the flanges has to be chosen to enable the correct opening of the plates (fig. 2)
- The springs of the 2 plates do not grant the closure in the absence of pressure when the valve is vertically installed in descendent fluid direction.
- For mounting in horizontal position the hinge pin has always to be in vertical position (fig. 3)
- Do not install in the presence of intermittent flow
- Place the valve in straight part of the piping, most possible far away from bends, elbows and pumps avoiding in any case the rising of turbulences next to the valve.

NOTE. This valve is unidirectional: install according to the flow direction marked on the body.

FIG. 1

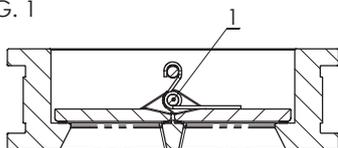


FIG. 2

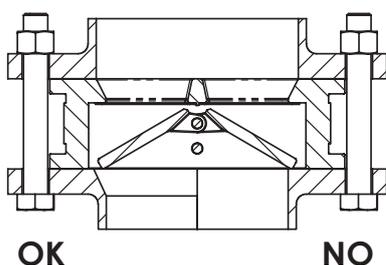
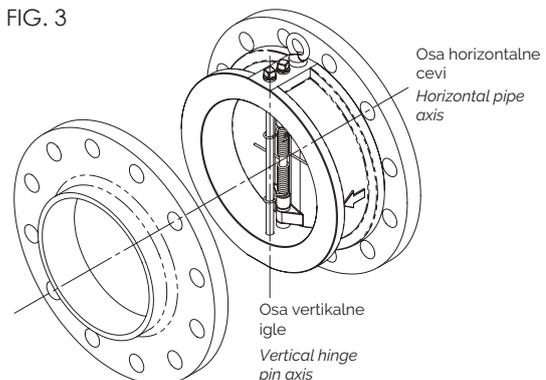


FIG. 3



ODLAGANJE

Za ventil koji radi sa opasnim medijima (toksičnim, korozivnim ...), ako postoji mogućnost da u ventilu ostane zaostataka, preduzmite odgovarajuće mere predostrožnosti i izvršite potrebne operacije čišćenja. Odgovorno osoblje mora biti obučeno i opremljeno odgovarajućim zaštitnim uređajima. Pre odlaganja rastavite ventil i odvojite komponente prema različitim vrstama materijala. Za više informacija pozovite se na literaturu o proizvodu. Prosledite sortirani materijal na recikliranje (npr. metalni materijali) ili odlaganje, u skladu sa lokalnim i trenutno važećim zakonodavstvom i uzimajući u obzir životnu sredinu.

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.