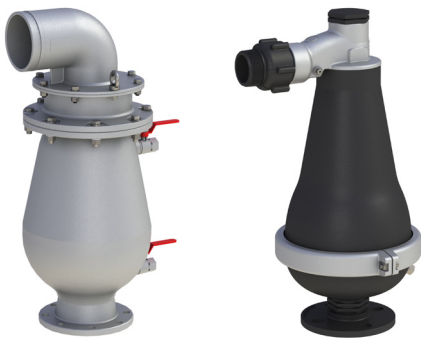


D26

A full-bore combination air valve. Installed on a non-clean water/mining conduction system, the air valve is designed to improve hydraulic operation by protecting the pipeline, increasing pipeline efficiency and reducing energy requirements. A continuous air gap in the valve body separates the water/solution from the sealing mechanism.



Reliability



Superb
quality



Superior
design

/ Benefits & Features

- **Reliability** Minimizes water hammer incidents and allows high-velocity air discharge. Prevents premature system wear for enhanced reliability.
- **Superb quality** Adheres to the highest industry standards, ensuring superior performance and preventing leakage. Guarantees reliability across applications.
- **Superior design** Conical body and funnel-shaped lower body maximum air gap/ minimum body length. A continuous air gap separates the liquid from the sealing mechanism residue matter falls back into the system pipeline.
- **Leak-free** Delivers stable operation with leak-free sealing, even under varying pressure differentials. Promotes clean and efficient functionality over time.

/ Specifications

- Size range: 2" - 8".
- Sealing pressure range:
2"; 0.05-10 bar or 0.10-16 bar.
3"; 0.05-10 bar or 0.10-16 bar or 0.20-2.5 bar.
4", 6", 8"; 0.10-16 bar.
- Testing pressure: 1.5 times maximum working pressure.
- Maximum working temperature: 60° C.
- Valve coating: Fusion-bonded epoxy coating in compliance with standard DIN 30677-2 (applied on Cast Steel and Cast Ductile Iron valves).
- Valve connection: Threaded male BSPT/NPT; Flanged ends to meet various requested standards.

→ Technical dimensions

Model	Dimensions (mm)		Air release	Weight (kg)		Orifice area (mm ²)	
	A	B	C	RN	SST	Auto	a/v
2" THR	258	547	2"BSP/NPSM F	8.1	13.2	8.6	1963
2" FL	258	554	2"BSP/NPSM F	8.5	16.1	8.6	1963
2" THR NS	330	547	2"BSP/NPSM M	8.3	13.6	8.6	1963
2" FL NS	330	554	2"BSP/NPSM M	8.7	16.5	8.6	1963
One-directional cover				Cast steel	SST		
3" THR	526	580	3"BSP/NPSM F	21.0	21.6	15.7	5024
3" FL	526	580	3"BSP/NPSM F	21.6	24.6	15.7	5024
3" THR NS	548	580	3"BSP/NPSM M	21.8	22.5	15.7	5024
3" FL NS	548	580	3"BSP/NPSM M	24.7	25.5	15.7	5024
Two-directional cover				Cast steel	SST		
3" THR	495	620	3"BSP/NPSM F	21.8	22.5	15.7	5024
3" FL	495	620	3"BSP/NPSM F	24.2	25.0	15.7	5024
3" THR NS	605	620	3"BSP/NPSM M	22.7	23.4	15.7	5024
3" FL NS	605	620	3"BSP/NPSM M	24.7	25.4	15.7	5024
Two-directional cover RN				RN			
3" THR	350	613	3"BSP/NPSM F	14.6	-	15.7	5024
3" FL	350	625	3"BSP/NPSM F	15.4	-	15.7	5024
3" THR NS	436	613	3"BSP/NPSM M	15.4	-	15.7	5024
3" FL NS	436	625	3"BSP/NPSM M	16.1	-	15.7	5024
				DI	SST		
4" FL	420	830	4" Flanged BSP/NPSM F	43.6	45	31.1	7854
4" FL NS	607	849	4" Flanged BSP/NPSM F	48.5	50	31.1	7854
Vertical cover				DI	SST		
6" FL	497	827	6" Flanged/Grooved	93.4	97.5	31.1	17671
8" FL	617	1081	8" Flanged/Grooved	148.8	156.5	31.1	31400
Horizontal cover				DI	SST		
6" FL	532	942	6" Flanged/Grooved	99.9	105.7	31.1	17671
8" FL	646	1242	8" Flanged/Grooved	158.4	163.9	31.1	31400

RN- Reinforced Nylon, SST- Stainless steel, DI- Ductile Iron, FL – Flanged, THR – Threaded
 NS- Non-slam discharge-throttling attachment, allows for free air intake, throttles air discharge.
 All product weights and dimensions are approximate, due to the differences in flange standards, materials and variable accessories.



→ Components raw materials

Part	Material
Orifice plug	Polypropylene
Cover	Stainless Steel 316 / Super Duplex
Bolt Assembly	Stainless Steel 316 / Reinforced Nylon
Non-slam component (optional)	Reinforced Nylon / Polypropylene / Stainless Steel
Disc arm	Stainless Steel 316 / Super Duplex
Air and vacuum disc	Reinforced Nylon / Polypropylene
Air and vacuum seal	EPDM / Viton
Air release seal and seat	EPDM / Viton
Seal cover	Reinforced Nylon / Polypropylene
"O"-Ring	NBR / EPDM / Viton
Spray Guard®	Polypropylene
Body	Reinforced Nylon / Stainless Steel 316 / Super Duplex
Domed nut	Stainless Steel 316 / Super Duplex
Stopper	Polypropylene
Spring	Stainless Steel 316 / Hastelloy
Float and Rod	Polypropylene / stainless steel 316 7 titanium
"O"-Ring	NBR / EPDM / Viton
Clamp Assembly	Stainless Steel 316 / Super Duplex
Base	Reinforced Nylon / Stainless Steel 316 / Super Duplex
Tap	Stainless Steel 316 / Super Duplex



→ Components raw materials

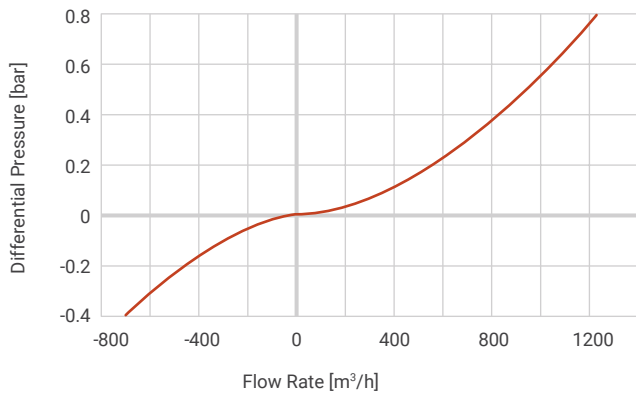
Part	Material
Flange seal (optional)	NBR
Grooved flange (optional)	Ductile Iron / Stainless Steel 316
Discharge	Ductile Iron / Stainless Steel 316
"O"-Ring	EPDM / Viton
Cover	Ductile Iron / Stainless Steel 316
Orifice Seat	Stainless Steel 316
Guide rod assembly	Stainless Steel 316 / Acetal
Air and vacuum disc	Reinforced Nylon / Reinforced Polypropylene
Air and vacuum seal	EPDM / Viton
Air release seal and seat	EPDM / Viton / Reinforced Nylon
Seal cover	Reinforced Nylon
Domed nut	Stainless Steel 316
Stopper	Stainless Steel 316
Spring	Stainless Steel 316
Float and Rod	Stainless Steel 316
"O"-Ring	EPDM / Viton
Body	Ductile Iron / Stainless Steel 316
Ball Valves	Stainless Steel 316



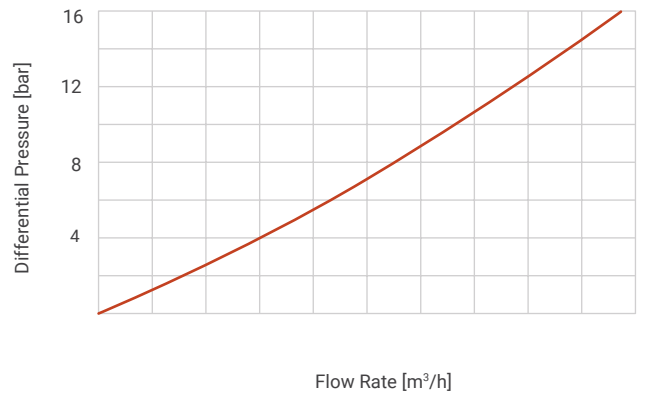
→ Flow charts

D-26 2"

Air & Vacuum Flow Rate

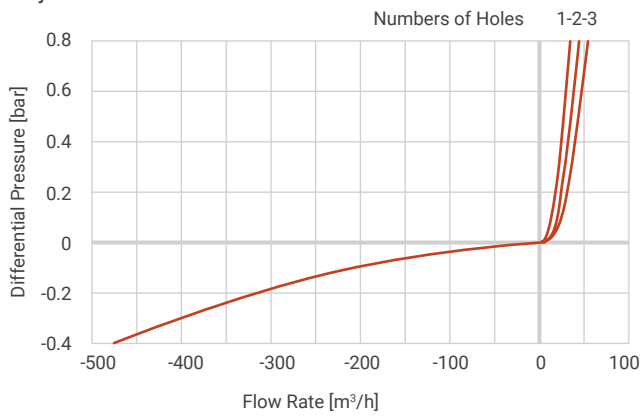


Automatic Air Release Flow Rate

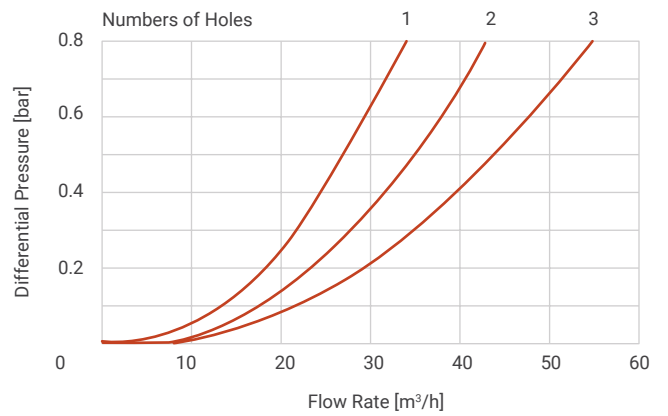


D-26 NS 2"

Adjustable NS Check Valve



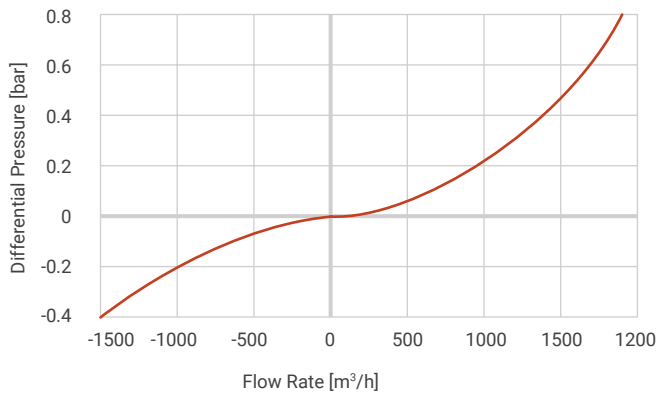
Adjustable NS Check Valve



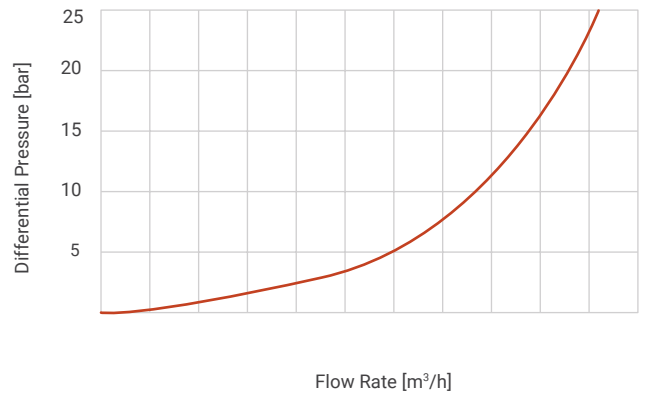
→ Flow charts

D-26 3"

Air & Vacuum Flow Rate

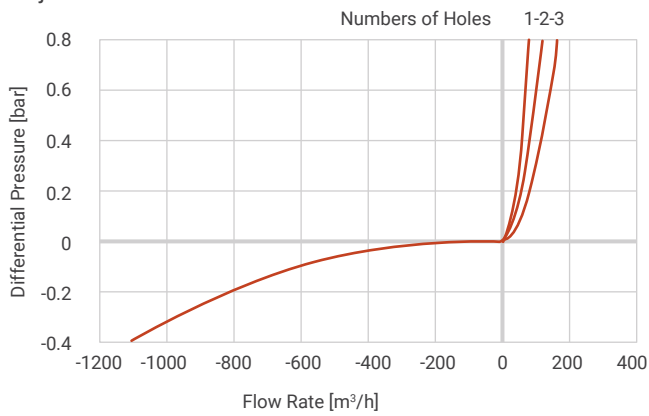


Automatic Air Release Flow Rate

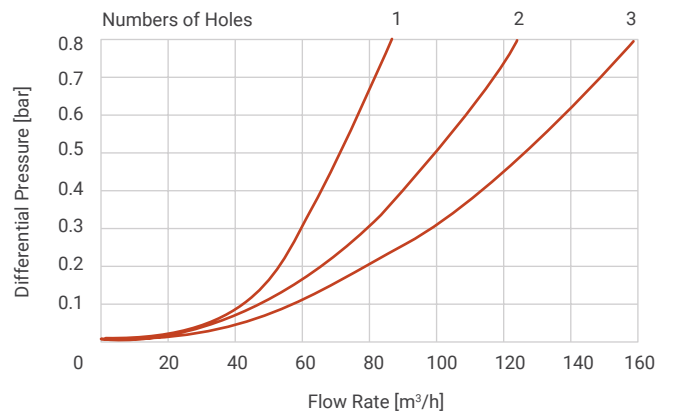


D-26 NS 3"

Adjustable NS Check Valve



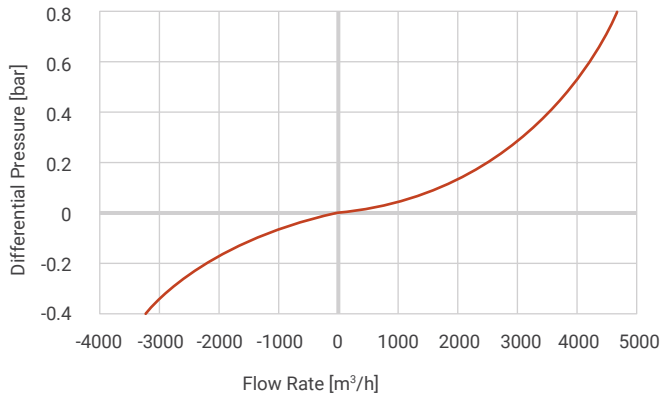
Adjustable NS Check Valve



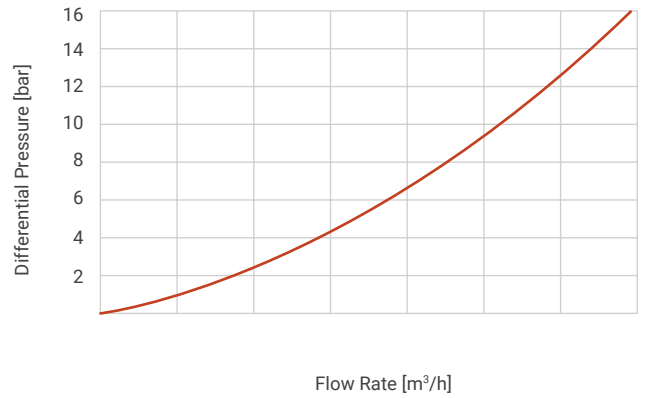
→ Flow charts

D-26 4"

Air & Vacuum Flow Rate

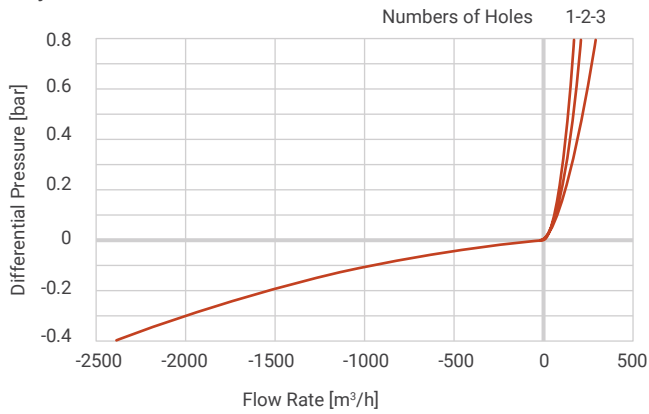


Automatic Air Release Flow Rate

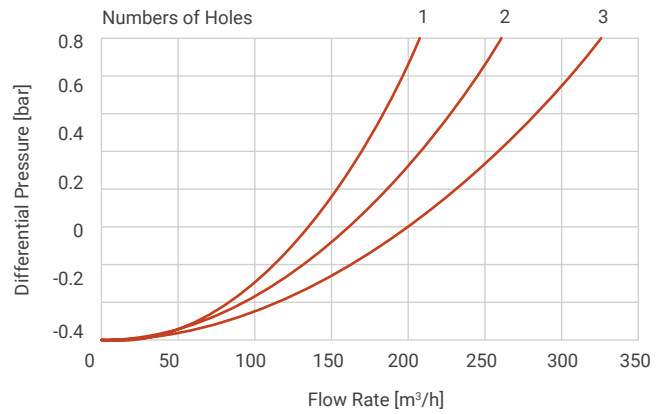


D-26 NS 4"

Adjustable NS Check Valve



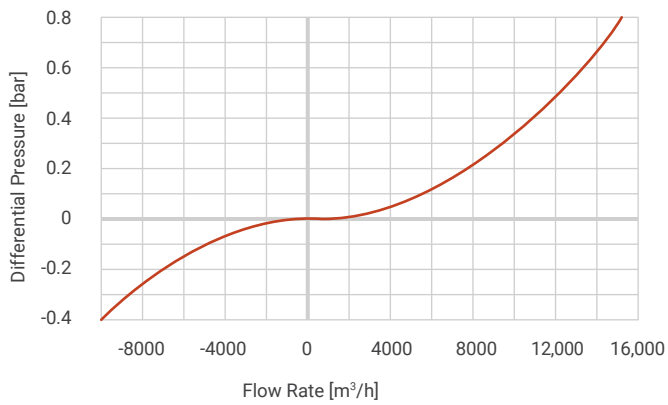
Adjustable NS Check Valve



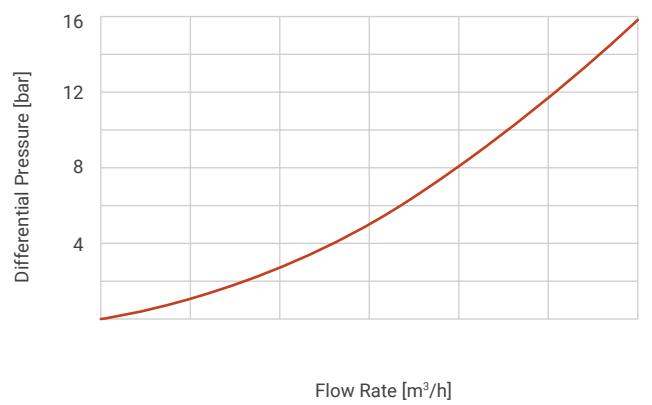
→ Flow charts

D-26 6"

Air & Vacuum Flow Rate

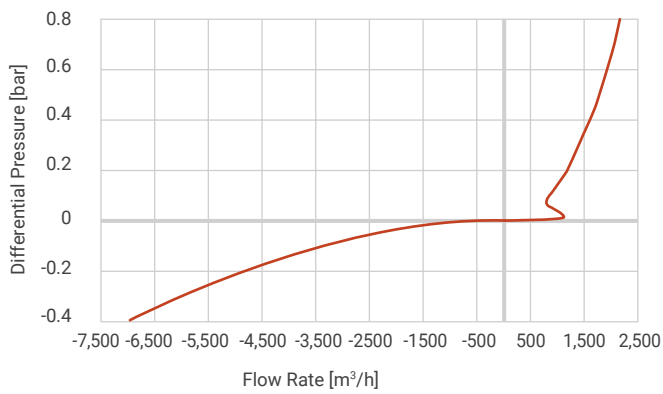


Automatic Air Release Flow Rate

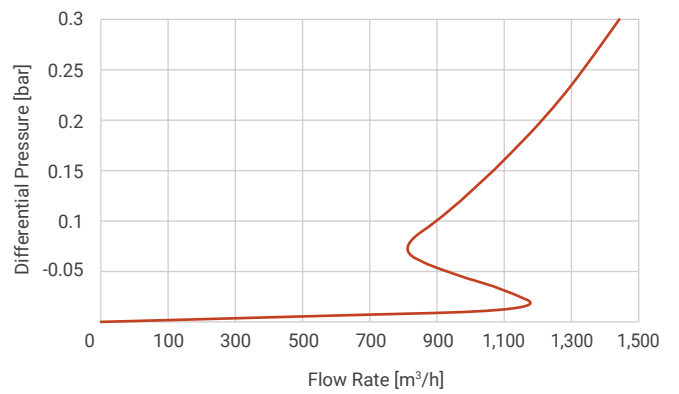


D-26 NS 6"

Air & Vacuum Flow Rate



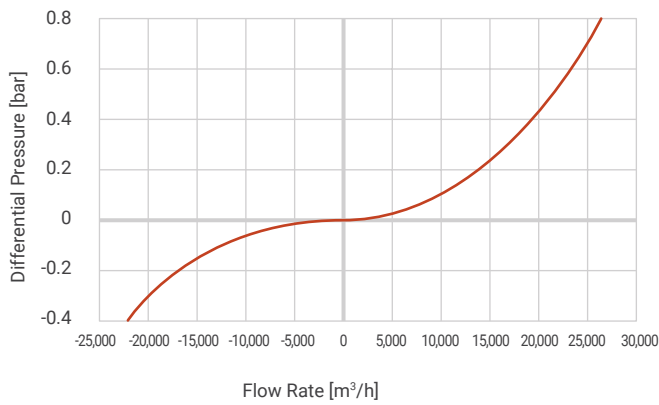
Air Discharge Switching Region



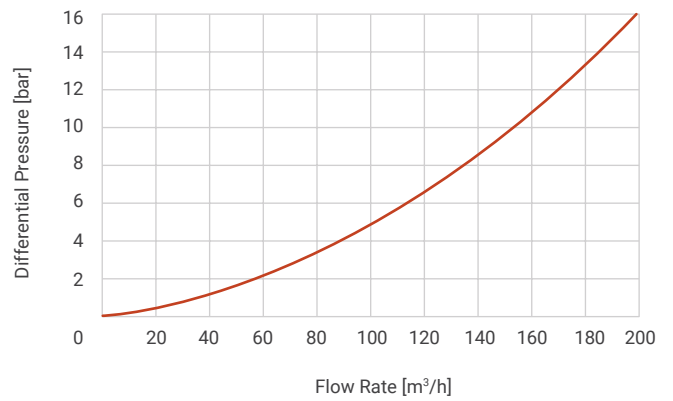
→ Flow charts

D-26 8"

Air & Vacuum Flow Rate

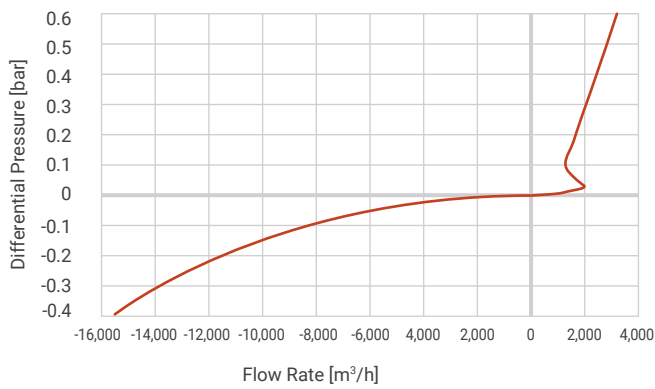


Automatic Air Release Flow Rate

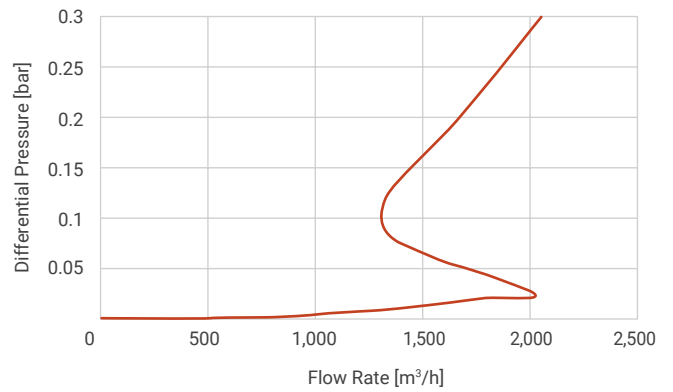


D-26 NS 8"

Air & Vacuum Flow Rate



Air Discharge Switching Region



→ Catalog numbers examples

Description	Catalog number
D26 2" NPT STST316 250PSI USA PPV	70561-000021
D26 3" MULTI STAND STST316 PN16 COVER NPSM STST FLOAT & FL	70561-016197
D26 3" MULTI STAND STST316 250PSI USA COVER NPSM, STST FLOAT	70561-000010
D26 6" ASA150 STST316 PN16 MINES	70561-004960
D26i 3" MULTI STAND STST316 PN16 NTW COVER NPSM STST FLOAT &	70561-000017
D26NS 3" MULTI STAND STST316 PN16 COVER NPSM STST FLOAT &	70561-018030
D26NS 3" MULTI STAND STST316 PN16 COVER NPSM STST FLOAT &	70561-018345
D26V 3" MULTI STAND STST316 PN16 COVER NPSM STST FLOAT & F	70561-000005

*Other configurations are available upon request