DB Series Duplex Large Diameter Basket Strainer

6" TO 8" / DN150-DN200
PVC AND CPVC

NEW

KEY FEATURES

- New Linear Design
- Available in PVC and CPVC
- Ergonomic Hand-Removable Cover
- Uninterrupted Flow
- No System Shutdown for Basket Cleaning
- In-Line or Loop Piping
- Integral Flat Mounting Bases
- Hand Removable Vents on Covers
- Hand Removable Drains on Bodies
- Liquid Displacing Covers

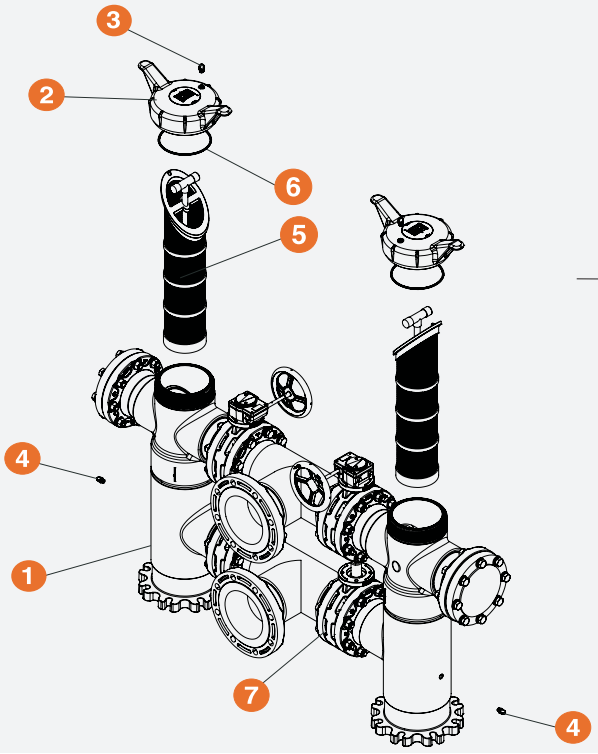
OPTIONS

- Stainless Steel, Monel®, Hastelloy® and Titanium Strainer Baskets
- Pressure Differential Gauge and Switch

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- FPM and EPDM O-Ring Seals
- GFPP Cell Class 85580 per ASTM D4101

TECHNICAL INFORMATION



SELECTION CHART

SIZE*	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
6" – 8" (DN150 – DN200)	PVC or CPVC	Flanged*	FPM or EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

* Flanged End have both ANSI and DIN Hole Patterns
** Ring Flanges are GFPP Material

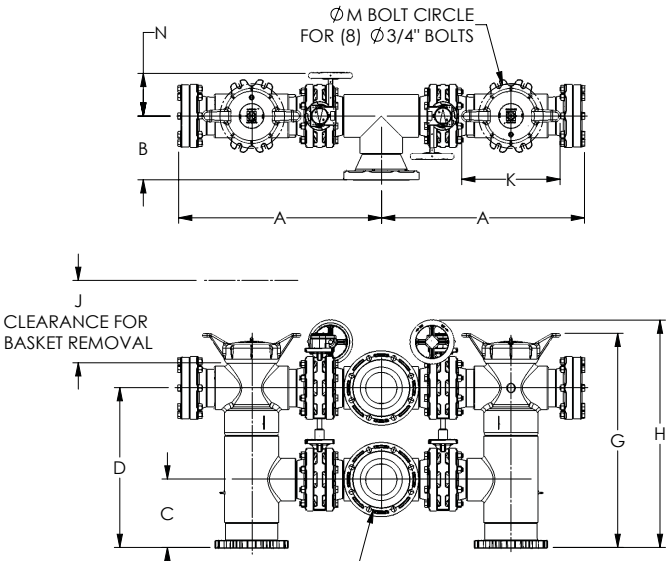
PARTS LIST

1. Body
2. Cover
3. Vent Plug
4. Drain Plugs
5. Basket
6. Cover O-ring
7. BYV Isolation Valves

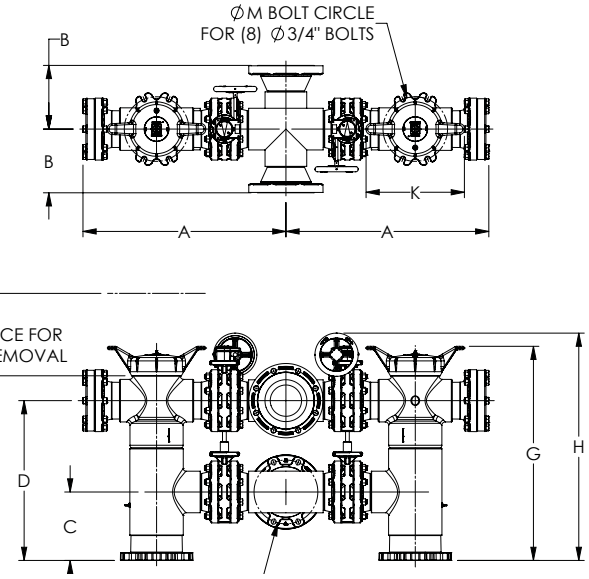
DB Series
Duplex Large Diameter Basket Strainers
6" AND 8" / DN150-DN200 PVC AND CPVC

TECHNICAL INFORMATION, CONTINUED

LOOP FLOW



IN-LINE FLOW



DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm	H in / mm	J in / mm
6 / 150	34.91 / 887	10.06 / 256	12.46 / 317	29.09 / 739	9.05 / 240	.90 / 23	38.98 / 990	41.38 / 1051	21.80 / 554
8 / 200	34.91 / 887	11.59 / 294	12.46 / 317	29.09 / 739	11.75 / 295	.90 / 23	38.98 / 990	41.38 / 1051	28.75 / 730

Dimensions are subject to change without notice – consult factory for installation information

SIZE in / DN	K in / mm	M in / mm	N in / mm	WEIGHT lbs / kg
6 / 150	17.90 / 455	11.75 / 299	7.78 / 198	300.00 / 136.0
8 / 200	17.90 / 455	11.75 / 299	7.78 / 739	300.00 / 136.0

Cv VALUES

SIZE in / DN		6/150	8/200
FLOW CONFIGURATION		IN-LINE OR LOOP	IN-LINE OR LOOP
PERF	MATERIAL		
1/32"	PVC / CPVC	300	390
1/16"	PVC / CPVC	315	400
1/8"	PVC / CPVC	335	430
3/16"	PVC / CPVC	345	445
1/32"	SS / Alloy	400	500
1/16"	SS / Alloy	400	540
1/8"	SS / Alloy	430	570
5/32"	SS / Alloy	430	570
3/16"	SS / Alloy	430	625
1/4"	SS / Alloy	445	675
3/8"	SS / Alloy	445	675

PRESSURE LOSS CALCULATION FORMULA

$$\Delta P = \left[\frac{Q}{Cv}\right]^2$$

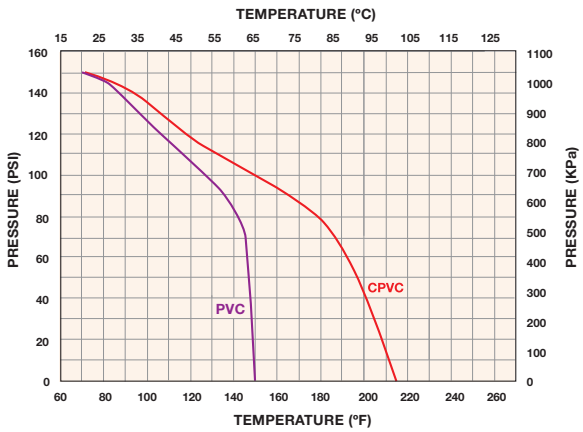
ΔP = Pressure Drop

Q = Flow in GPM

Cv = Flow Coefficient

The pressure drop across the strainer, for water or fluids with a similar viscosity, can be calculated using the formula

OPERATING TEMPERATURE/PRESSURE



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Bag Filter vessel
- GFPP
- PVC
- CPVC

Y Strainers
- PVC
- CPVC
- Clear PVC
- PVDF

Simplex Strainers
- PVC
- CPVC
- GFPP
- PVDF
- Eastar® (Clear)

Duplex Strainers
- PVC
- CPVC
- GFPP
- Eastar® (Clear)

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- CPVC
- GFPP
- PVDF

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- Ball Check Valves
- Y-Check Valves
- Wafer Check Valves
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