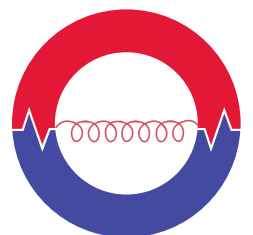


Precision Storage Vessels



SUCTION DIFFUSERS



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Materials

- Carbon Steel
- Stainless Steel
- Other Materials Upon Request

End Connections

- Flat Faced
- Raised Face
- Butt weld

Features

- Filtration Down to 40 Microns
- Large Diffuser Screens
- Long and Short Neck Versions Available
- Fabricated Construction

Sizes Ranges

- Size - 10" - 24"
- Size - 250 mm - 600 mm
- Long and Short Neck Versions Available
- Fabricated Construction
- Fabricated - Custom sized to meet requirements

Ratings

- ASME Class 150
- ASME Class 300

Applicable Codes

- Designed and manufactured in accordance with ASME B31.1, ASME B31.3 and/or ASME Section VIII, Div.I
- Welders certified to ASME

Models

- Type 1 - One pipe diameter of flow straightening
- Type 3 - Three pipe diameters of flow straightening
- Type 5 - Five pipe diameters of flow straightening

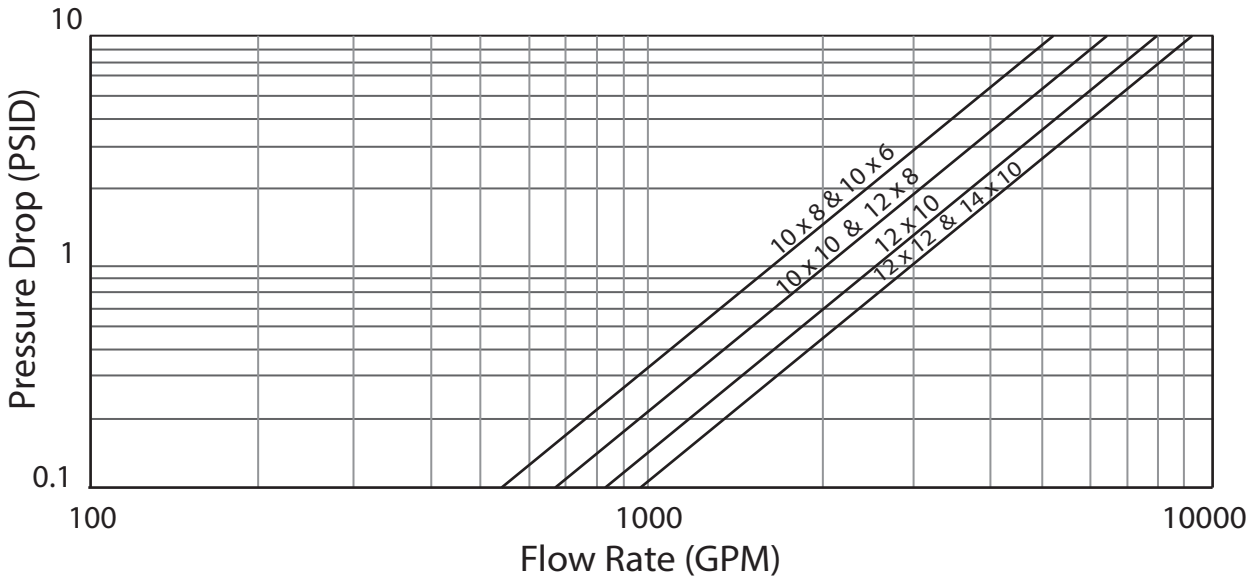
Options

Customer specified materials, sizes and designs, other flow straightening. Designs hinged or quick opening / operator assisted covers, vent head with differential pressure connections. ASME "U" stamped vessels on request. Other perforated screen and mesh liner baskets available. Data Packages. MTNS available on request.

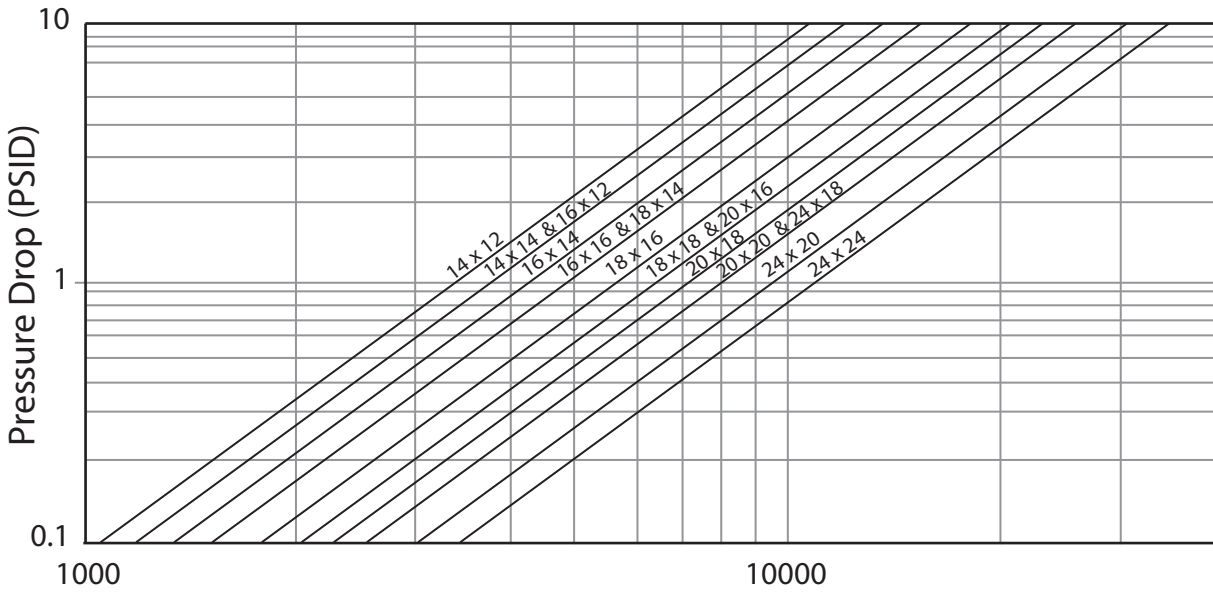
FABRICATED SUCTION DIFFUSERS PRESSURE DROP VS FLOW RATE

Water Service, Clean Basket, 1/32" - 1/4" Perforated Screen*

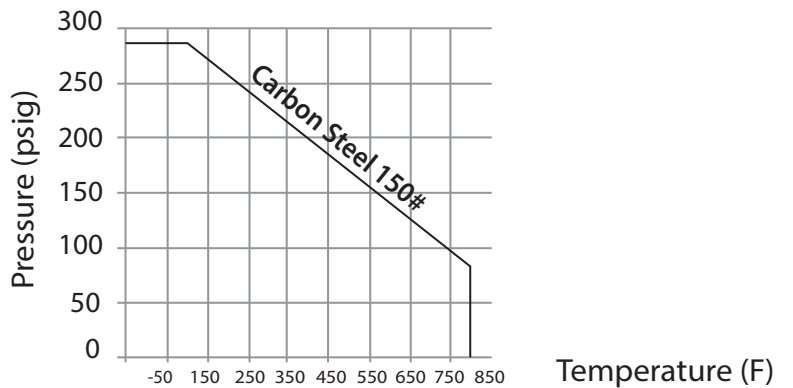
Sizes 10" x 8" - 12" x 12"



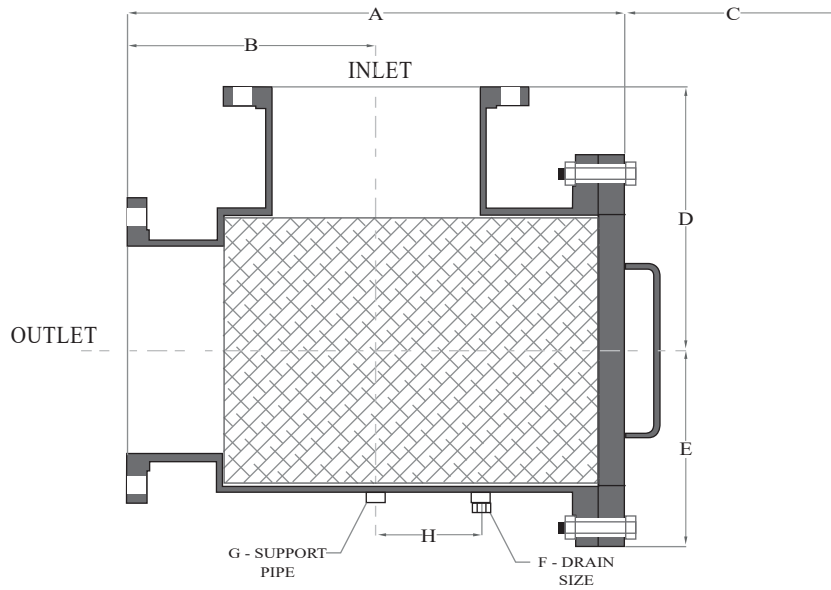
Sizes 14" x 12" - 24" x 24"



Pressure / Temperature
Chart
ASME B16.5



FABRICATED SUCTION DIFFUSERS DIMENSIONS



Inlet (mm)	Outlet (mm)	A			B			C	D	E	F	G	H
		TYPE 1	TYPE 3	TYPE 5	TYPE 1	TYPE 3	TYPE 5						
Standard Size Outlet													
250	200	600	685	790	300	370	490	490	325	203	40	40	110
300	250	680	795	925	345	455	575	540	330	260	40	40	125
350	300	695	850	990	350	490	650	600	390	290	40	40	140
400	350	840	1020	1190	430	610	780	660	420	320	50	50	140
450	400	860	1050	1240	440	630	790	750	450	358	50	50	170
500	450	950	1100	1300	480	631	831	800	520	420	50	50	200
600	500	1090	1290	1550	550	750	1010	910	560	445	50	50	230
Undersized Outlet													
250	150	585	650	730	300	370	440	450	290	203	25	25	105
300	200	650	690	790	330	380	480	500	330	230	40	40	120
350	250	670	795	920	325	450	580	550	360	260	40	40	140
400	300	735	840	1005	365	470	635	620	400	290	50	50	130
450	350	810	960	1130	410	550	720	680	410	320	50	50	150
500	400	870	1060	1250	420	610	800	760	460	358	50	50	170
600	450	1050	1150	1360	530	630	840	900	600	420	50	50	200
Oversized Outlet													
250	250	660	790	920	330	470	600	500	350	260	25	25	140
300	300	685	840	980	340	500	650	625	390	290	40	40	120
350	350	820	1000	1190	420	615	790	630	415	320	40	40	130
400	400	840	1050	1250	440	650	850	650	450	358	50	50	200
450	450	922	1090	1300	470	660	860	730	510	420	50	50	165
500	500	1025	1290	1540	540	780	1030	800	560	455	50	50	200
600	600	1090	1390	1690	555	855	1150	900	610	455	50	50	200

Note:

1. C-Dimension required for screen removal.
2. All dimensions are in mm.
3. Custom dimensions available upon request

Models

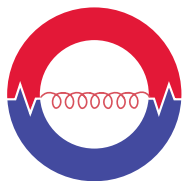
- Type 1 - One pipe diameter of flow straightening
- Type 3 - Three pipe diameters of flow straightening
- Type 5 - Five pipe diameters of flow straightening

Note:-

A series of horizontal dashed lines for writing notes.

RANGE OF PRODUCTS

- ✦ HEAT EXCHANGER PACKAGE
- ✦ AIR RECEIVER
- ✦ OIL AND GAS FIRED WATER HEATERS
- ✦ INDIRECT HEATED STORAGE CALORIFIERS
- ✦ AIR SEPARATORS
- ✦ FEED TANKS & CONDENSATE RECEIVERS
- ✦ BLOWDOWN VESSEL
- ✦ ELECTRIC WATER HEATERS
- ✦ BUFFER VESSELS
- ✦ AIR & DIRT SEPARATORS



PRECISION

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