SINGLE BAG TOP ENTRY BAG FILTER HOUSINGS

MODEL 80
TE SERIES
CARBON STEEL & STAINLESS STEEL

SIZE 801 - 80 GPM
SIZE 802 - 180 GPM

- 2" pipe size
- 2" NPT or flanged fittings
- Hinged quick open eye bolt cover
- Maximum temp - 250° F
- Maximum pressure - 150 psi
- △P port optional
- Adjustable tripod legs optional
- Cleanable strainer basket option
- 8" diameter housings
- 14" or 28" basket lengths
- 3 outlet styles
- Stainless steel filter bag baskets
- "Over the top" design
- Sanitary fittings available

GENERAL INFORMATION

High tech top entry single bag housing design for those applications where critical recquirements call for the highest degree of reliability. The cover acts to restrain the filter bag or strainer basket with its 360° contact.

The cover is secured by four eye bolt - eye nut assemblies. One of them acts as a hinge. The housings are manufactured from investment cast covers and collars. The cover is cast with a handle across the top in combination with a concave shape which acts as a liquid displacer.

When the cover is opened, the liquid level is below the top of the filter due to the concave shape of the cover. This design feature corrects a design fault present in other over-the-top designs.

FILTER BAGS

Filter bag sizes are industry standard size #1 (7.25 Dia. x 16.5" L.) and size #2 (7.25 Dia. x 32" L.), and are offered in polyester, polypropylene and nylon materials in micron ratings of 1 to 1000. Filter bags are ordered separately.

HOUSING SIZE	FILTER BAG SIZE	DIA. IN.	LGTH. IN.	AREA ft²	MAXIMUM FLOW GPM
801	1	7.25	16-1/2	2.0	80
802	2	7.25	32	4.5	180

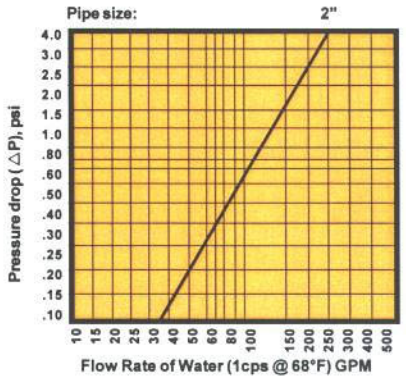
STRAINER BASKET OPTION

All housings are available with perforated or mesh lined cleanable strainer baskets in place of filter bag baskets.

The baskets are supplied with a handle across the top for easy installation.

PRESSURE DROP DATA

The graph below gives the clean pressure drop through the Model 80 Top Entry housing with a filter bag basket installed without a filter bag.

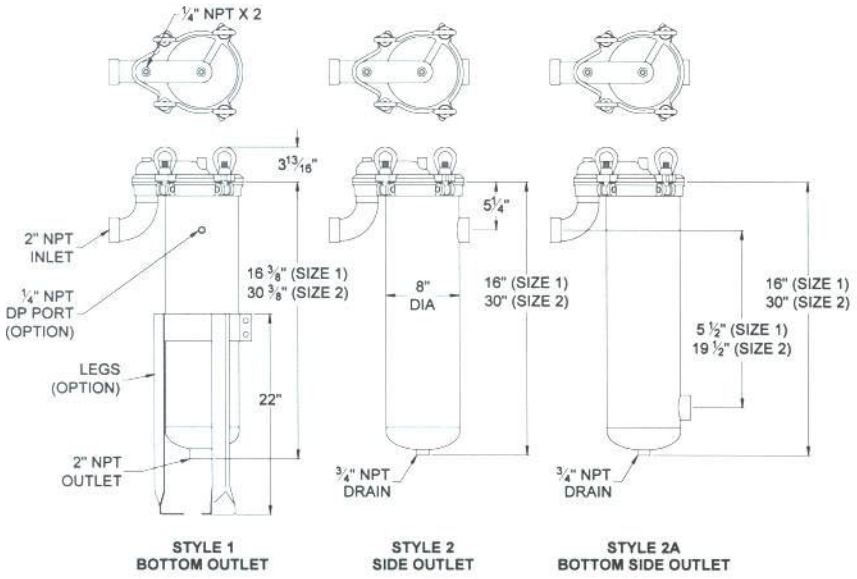


Model 80 Top Entry

To correct for viscosity's other than 1 cps, multiply the value obtained from the graph above by the proper correction factor from the chart below.

Viscosity, cps								
1 (H_2O)	50	100	200	400	600	800	1000	2000
1.0	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8

DIMENSIONS



NOTES:
1. NPT fittings shown - flanges available
2. Engineering drawings available

HOW TO ORDER

H80 | 2 | TE | 150 | CS | 1 | B | CL | -2.0 | N | - B | -DPP

HOUSING MODEL NO.
MODEL 80 = H80

HOUSING SIZE
#1 SIZE (14" LONG BASKET = 1
#2 SIZE (28" LONG BASKET = 2

COVER STYLE
TOP ENTRY EYE BOLT = TE

PRESSURE RATING
150 PSI = 150

HOUSING MATERIAL
CARBON STEEL = CS
304 STAINLESS STEEL = 4S
316 STAINLESS STEEL = 6S

HOUSING OUTLET STYLE
BOTTOM OUTLET = 1
SIDE OUTLET TOP = 2
SIDE OUTLET BOTTOM = 2A

GASKET MATERIALS
BUNA N = B
ETHYLENE PROPYLENE = E
VITON = V
TEFLON = T

OPTIONS
DPP = △P PORT

BASKET TYPE & SIZE
B = PERFORATED BAG - 9/64 DIA.
P(*) = PERFORATED STRAINER
P1/16, P3/32, P1/8, P1/4
M(*) = MESH LINED STRAINER
M20, M30, M40, M50, M60
M70, M100, M150, M200

FITTING TYPE
P = FEMALE NPT
F = 150 PSI ANSI FLANGES

INLET & OUTLET SIZE
2.0 = 2"

TRIPOD LEG ASSEMBLY
CL = CARBON STEEL LEGS
SL = STAINLESS STEEL LEGS
NL = NO LEGS