

### PRODUCT DATA SHEET

January, 2007

### 3" DUPLEX BAG FILTER SYSTEM

#### GENERAL INFORMATION

Two independent filter housings are skid-mounted and piped such that one filter unit is active while the other is out of service. Inlet and outlet connections are provided on each end of the skid. Use for filtering a wide range of industrial and commercial process fluids, groundwater discharge from construction sites, stormwater or urban runoff.

#### WEIGHTS AND MEASURES

» Capacity:	.....	Up to 140 gpm per filter when clean (depends on filter media micron rating)
» Design Press:	.....	150 psi
» Design Temp:	.....	140°F max.*
» Height:	.....	5'-0" (overall)
» Width :	.....	3'-8"
» Length:	.....	5'-0"
» Weight:	.....	540 lbs. (approx.)

#### SKID DESIGN

» Outer Frame:	.....	6 x 8.2 A36 carbon steel channel
» Inter. Frame:	.....	3"x2 "x3/8" A36 carbon steel angle
» Filter Housing Pad:	.....	¼" thk. Steel plate supported by 3x2x3/8 angle iron
» Forklift Pockets:	.....	Through front and rear framing channels
» Cover:	.....	Expanded metal grating
» Lifting Eyes:	.....	All four corners

\*Practical limit for the PVC header piping. Unit could be used up to 225°F if carbon steel piping is used instead.

#### FILTER DESIGN

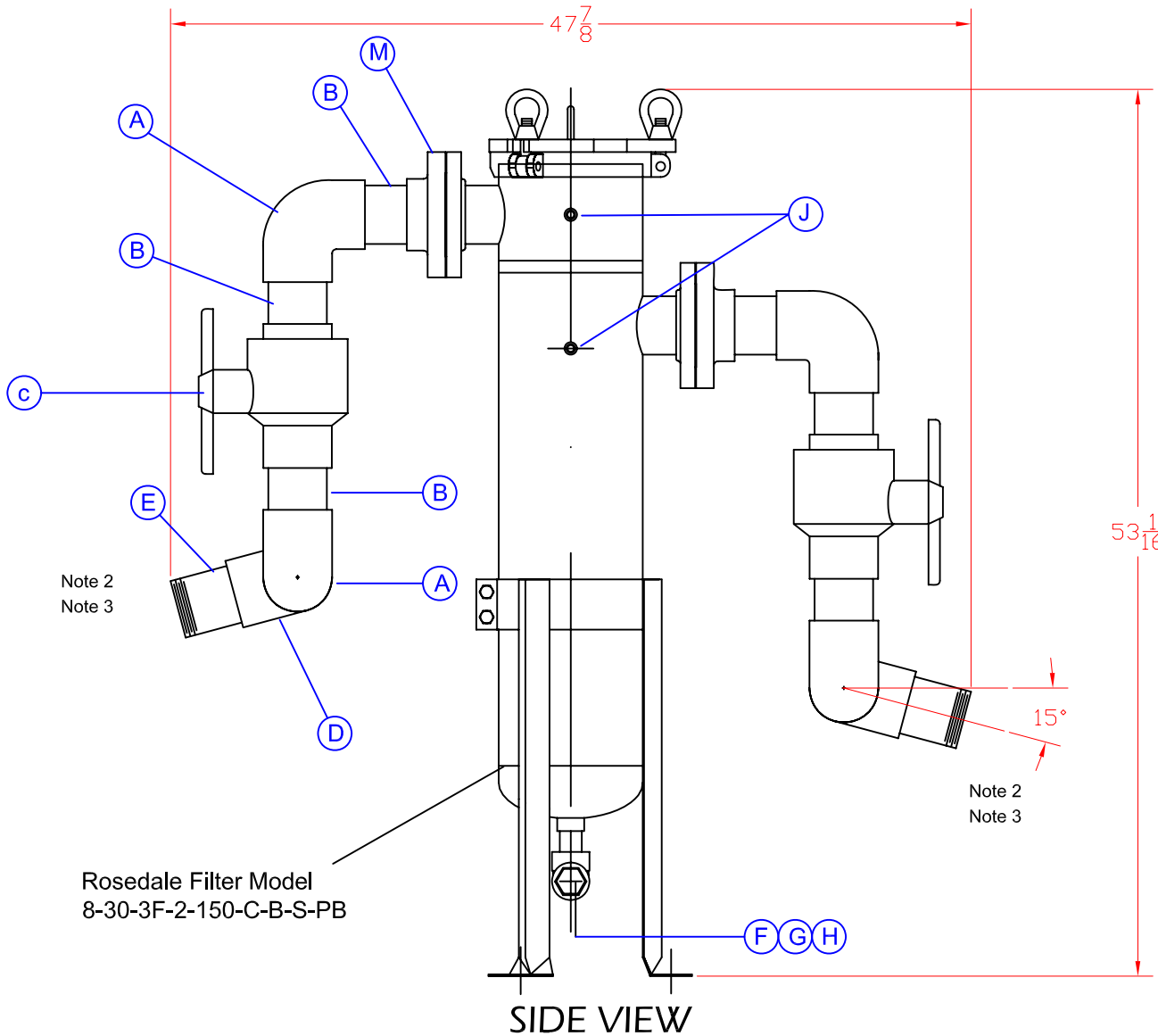
» Filter Housing	.....	Rosedale model 8-30-3F-2-150-C-B-S-PB
» Top Cover:	.....	Three eyenuts; hinged for easy access
» Piping:	.....	3" schedule 80 PVC (inlet and outlet headers)
» Inlet & Outlet:	.....	3" 150# ANSI flanges
» Cover Seal:	.....	Buna N (Nitrile) o-ring
» Housing Material:	.....	Carbon Steel
» Filter Basket:	.....	30" deep, 6.7" diameter, 4.4 sq. ft. surface area, 1000 cu. in. volume, 9/64" dia holes (51% open)
» Filter Media:	.....	Filter bags, size #2. Wide range of micron ratings is available, down to 1.0.
» Vent Valves:	.....	1/4" ball valve on top cover
» Drain Valves:	.....	1" brass ball valve on the bottom of each housing

#### SURFACE DETAILS

» Exterior Coating:	.....	High gloss polyurethane
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#### TESTS / CERTIFICATIONS

» Test Performed:	.....	Scheduled QMS inspections
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ITEM	DESCRIPTION
A	Elbow, 90 deg, 3" sch. 80 PVC, socket x socket, Spears 806-030
B	Pipe, 3", sch. 80, PVC, 6-1/4" long
C	Ball valve, 3" PVC, non-shock; Spears 2622-030
D	Tee, 3"x3"x3", sch. 80 PVC, socket ends; Spears 801-030
E	Adapter, 3" PVC, PE x MPT, YARDNEY 126553040
F	1" sch. 80 M.I. MNPTxMNPT pipe nipple, 2" long
G	1" 90 deg. elbow, NPTxNPT
H	1" brass ball valve, FNPTxFNPT; Parker Hannifin XV500P-16
J	Pressure gauge, 0-100 psi oil-filled, 2-1/2" dial
K	NOT USED
L	1/4" 600# WOG brass ball valve; Parker Hannifin XV500P-4
M	Flange, 3" sch. 80 PVC, socket; Spears 851-030

Note 2  
Note 3

Note 2  
Note 3

Rosedale Filter Model  
8-30-3F-2-150-C-B-S-PB

SIDE VIEW

**Notes:**

1. This is a general layout drawing only.
2. Tee should be rotated downward at an angle of 15-60 degrees to prevent strain on the piping when hose is connected to it.
3. A 3" female camlock fitting (not shown) will be attached to the adapter.

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**BAKER CORP** 3020 OLD RANCH PARKWAY  
SEAL BEACH, CA 90740-2751

G				SCALE: -	SIZE A	ORIGINAL DWG. DATE 18FEB05
F						
E				DRAWN BY: P.J.B.	APPROVED BY: -	CAT/CLASS NA
D						
C				TITLE 3" BAG FILTER UNIT		SHEET 1 OF 1
B				DRAWING NO. S-9-M0018-1-		REV. 0
A						
REV.	DESCRIPTION	DATE	BY			