



TWO COATS OF EPOXY RESIN
BASED ZINC RICH PRIMER.
COMPATIBLE WITH SUBSEQUENT
OVERCOAT OF EPOXY PAINT.
DFT- 25 MICRONS (MIN) PER COAT

FINISHING COAT OF ACRYLIC
POLYURETHANE (ONE COAT),
DFT- 35 MICRONS (MIN)

SUBJECT TO INCORPORATION OF COMMENTS.

APPROVED

HINDUS'AN DORR OLIVER LTD
MUMBAI.

17 DEC 2010

NOTE :-

- (1) All Dimensions are in mm Unless otherwise Specified. Δ
- (2) All Flange Facing Shall be Serrated Finish to 125 AARH. Δ
- (3) B.W. Joints Shall be 100% Radiography & Fillet Weld Shall be D.P. Checked Δ
- (4) Flow Direction Shall be Marked in Body with Suitable Paint Δ
- (5) Basket Shall be Design to Have Sufficient Strenght for Impact of Fluid Δ

REV	DATE	DESCRIPTION	REV BY	CHD BY
0	14/11/10	ISSUED FOR APPROVAL	HSG	BJP
1	23/11/10	REVISED AS PER YOUR COMMENT & MARKED Δ	HSG	BJP

DESIGN DATA

SIZE	QTY	PACKAGE NAME	TAG No.
150 NB	3 Nos.	ALKALI LEACHING	5-SR-05-01/02/03
End Conn.(In/Out)			
6"NB, Flanged to 150#, ASME B16.5, S.O.R.F			
Degree Of Filtration			
3mm ϕ Holes			
Service			
Ore Slurry			
FlowRate (Opt./Design)/(Velocity)			
84 / 100 m ³ /hr. / (1.5 m/s)			
Viscosity / Sp.Gravity			
10 CP / 1.63			
Oprt. Press./Temp.			
1.224 to 2.345 kg/cm ² (g) / 50 $^{\circ}$ C			
Design Pressure/Temp.			
7.138 kg/cm ² (g) / 65 $^{\circ}$ C			
Hydrotest Pressure			
15 kg/cm ² (g)			
Max.Allow.Press.Drop at Clean Cond.			
0.5 kg/cm ² (g)			
Filtration Area-Gross/Net			
4260 / 1235 Cm ² (Ratio: 7.0 : 1)			
Design Code			
ASME Section VIII, Div.-1			
Weight of Filter			
Empty : ~310 Kg. Filled : 395 Kg.			
Doc. Ref. & Spec.No.			
M/L-P-120			
Paint			
S.S.Part Acid Pickling			
G.S.Part One Coat of Zinc Chromate per par IS 2074 & One Coat of Aluminium Paint as per IS 2934			

29	Stiffner for Bottom Cover	1	S.S.316L	From 20 x 10 Thk.
28	Stud With Two Nuts for (N5)	4	SA193GrB7/SA194Gr2H	5/8"UNC X 85 Lg.
27	Cover Flange for (N5)	1	SA182GrF316L	2"NB, B.L.R.F, 150#, B-16.5
26	Gasket Flushing (N5)	1	P.T.F.E.	2 Thk., STD.
25	Flange for Flushing(N5)	1	SA182GrF316L	2"NB, S.O.R.F, 150#, B-16.5
24	Nozzle for (N5)	1	SA312TP316L	2"NB, Sch-40S, Seamless
23	Lifting Handle	2	S.S.316	From 18 ϕ Rod
22	Stud With Two Nuts for (N5)	4	SA193GrB7/SA194Gr2H	5/8"UNC X 85 Lg.
21	Drain Cover Flange(N4)	1	SA182GrF316L	3"NB, B.L.R.F, 150#, B-16.5
20	Gasket for (N4)	1	P.T.F.E.	2 Thk., STD.
19	Drain Flange (N4)	1	SA182GrF316L	3"NB, S.O.R.F, 150#, B-16.5
18	Drain Nozzle (N4)	1	SA312TP316L	3"NB, Sch-40S, Seamless
17	Base Plate	3	IS2062GrB	100 x 100 x 12 Thk
16	Leg Support (Angle)	3	IS2062GrB	150 x 50 x 6 Thk
15	Pad Plate	3	S.S.316L	90 x 90 x 5 Thk
14	Element Top Plate	1	S.S.316L	5 Thk STD. 310 x 266
13	Element Gasket	1	P.T.F.E.	2 Thk STD.
12	Element Support Plate	1	S.S.316L	5 Thk STD 342 x 271
11	Spring Support	1	C.S.	STD.
10	Perforated Sheet	1	S.S.316L	160, 3 ϕ Holes at 4.8 Trnglr Pitch.
9	Bottom Cover	1	SA240TP316L	342 ϕ X 12 Thk.
8	Shell	1	SA240TP316L	14"NB, 5 Thk., Fab.
7	In/Out Nozzle(N1/N2)	2	SA312TP316L	6"NB, Sch-40S, Seamless
6	In/Out Flange (N1/N2)	2	SA182GrF316L	6"NB, S.O.R.F, 150#, B-16.5
5	Shell Flange	1	SA182GrF316L	14"NB, S.O.R.F, 150#, B-16.5
4	Gasket	1	P.T.F.E.	2 Thk., STD.
3	Cover Flange	1	SA182GrF316L	14"NB, B.L.R.F, 150#, B-16.5
2	Stud Wrh Two Nuts	12	SA193GrB7/SA194Gr2H	1"UNC X 140 Lg.
1	Vent Coupling (N3)	1	SA182GrF316L	1/2"NPT(F), STD. with Plug.

S.No	DESCRIPTION	QTY	MATL	SIZE
BILL OF MATERIAL				
GUJARAT OTOFILT (An ISO 9001:2008 Cert.Company) Plot No.-3712, Phase-M, D.I.D.C. Vafva, Ahmedabad-382 445, Ph.:(079) 25841164/1602, Fax:25842719 E-mail ID : gorf@vafva.com				
CLIENT:- Hindustan Dorr Oliver Ltd Project No.:BYC-2090127 P.O.No:- 4520006118, Date:-10/11/2010 ACAD BY: HSG CHD BY: B.J.PATEL DRG No :- REV				
TITLE :- Simplex Basket Filter (SIZE : 6"NB, 150#) (Item Code : BPSTBC070815)				
SCALE :- N.T.S A.O.No :- 7866 FILE No: 7866B6 DATE:-14/11/2010				
096SB9863				1