

TWO COATS OF EPOXY RESIN
BASED ZINC RICH PRIMER.
COMPATIBLE WITH SUBSEQUENT
OVER COAT 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

HINDUSTAN DORR OLIVER LTD
MUMBAI. *Patel*

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.
 - (3) B.W. Joints Shall be 100% Radiography & Fillet Weld Δ
Shall be D.P. Checked
 - (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

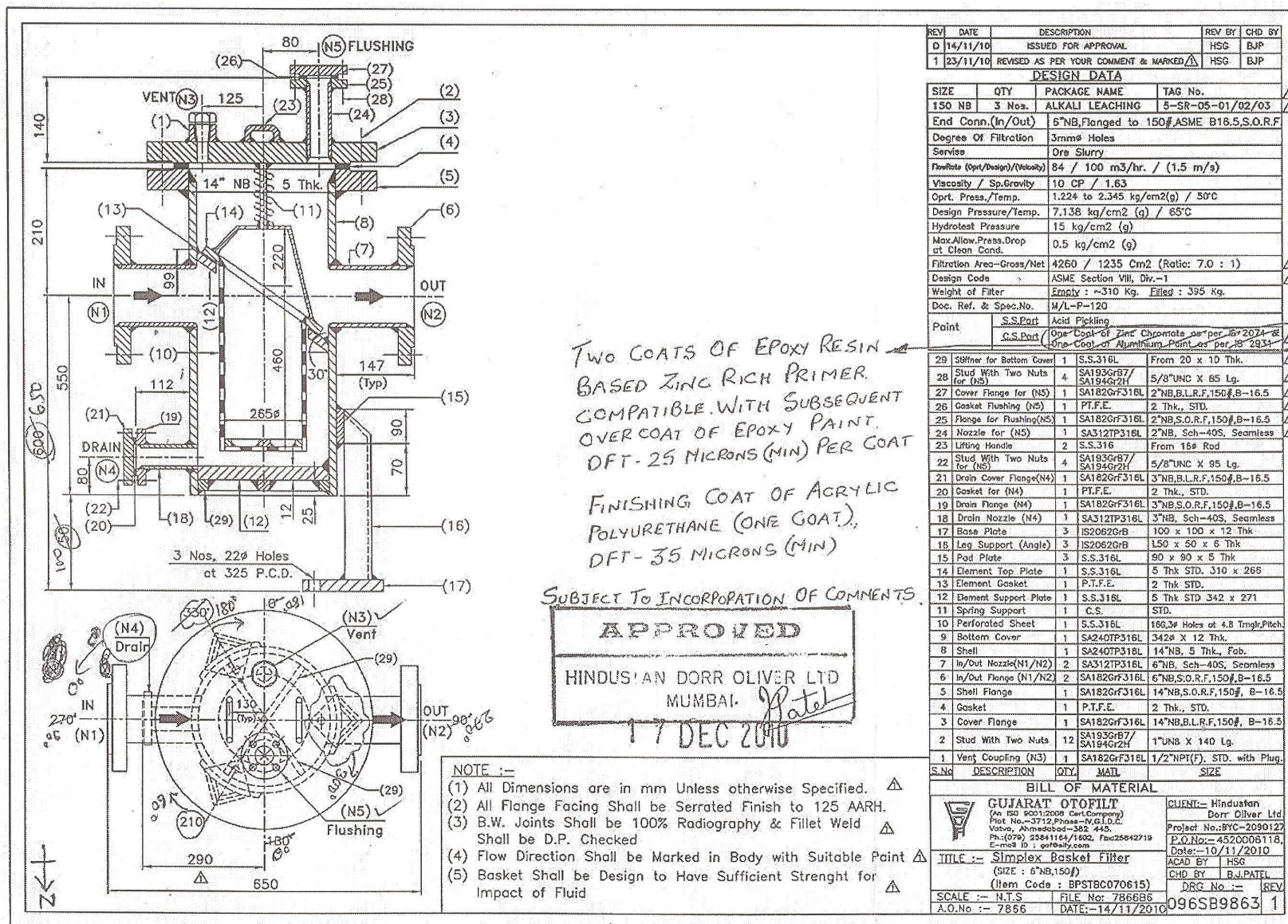
DESIGN DATA			
SIZE	QTY	PACKAGE NAME	TAG No.
150 NB	3 Nos.	ALKALI LEACHING	5-SR-05-01/02/03
End Conn.(In/Out)	6"NB, Flanged to 150# ASME B16.5, S.O.R.F.		
Degree Of Filtration	3mm ϕ Holes		
Service	Ore Slurry		
FlowRate (Opt/Design/Velocity)	84 / 100 m ³ /hr. / (1.5 m/s)		
Viscosity / Sp.Gravity	10 CP / 1.63		
Opri. Press./Temp.	1.224 to 2.345 kg/cm2(g) / 50°C		
Design Pressure/Temp.	7.138 kg/cm2 (g) / 65°C		
Hydrotest Pressure	15 kg/cm2 (g)		
Max.Allow.Press.Drop at Clean Cond.	0.5 kg/cm2 (g)		
Filtration Area-Gross/Net	4260 / 1235 Cm2 (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.Pert	Acid Pickling	
	G.S.Pad	One Coat of Zinc Chromate per IS 2024-E One Coat of Aluminium-Paint per IS 2034	

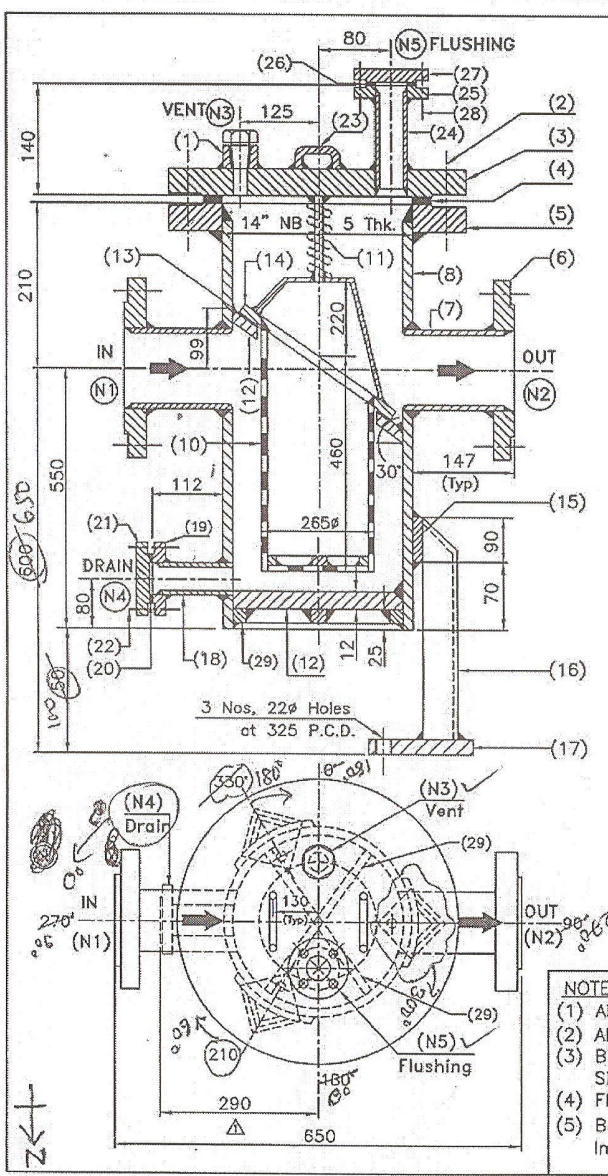
29	Strifter for Bottom Cover	1	S.S.316L	From 20 x 10 Thk.
28	Stud With Two Nuts for (N5)	4	SA193GrB7/SA194Gr2H	5/8"UNC X 85 Lg.
27	Cover Flange for (N5)	1	SA182GrF316L	2"NB,B.L.R.F,150#, B-16.5
26	Gasket Flushing (N5)	1	P.T.F.E.	2 Thk., STD.
25	Flange for Flushing(N5)	1	SA182GrF316L	2"NB,S.O.R.F,150#, B-16.5
24	Nozzle for (N5)	1	SA312TP316L	2"NB, Sch-40S, Seamless
23	Lifting Handle	2	S.S.316	From 18# Rod
22	Stud With Two Nuts for (N5)	4	SA193GrB7/SA194Gr2H	5/8"UNC X 95 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	180,3# Holes at 4.8 Tmglr,Pitch.
9	Bottom Cover	1	SA240TP316L	342# 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 With Two Nuts	12	SA193GrB7/SA194Gr2H	1"UNB 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 OTOFIL (An ISO 9001:2008 Cert Company) Plot No.-3712, Phase-V, G.I.D.C. Vahva, Ahmedabad-382 445. Ph:(079) 22841154/1502, Fax:22842219 E-mail ID : gotofilt.com		CLIENT:- Hindustan Dorr Oliver Ltd Project No:BYC-2090127 P.O.No:-4320005118, Dated:-10/11/2010 ACAD BY : HSG CHD BY : B.J.PATEL DRG. No.:- REV
	TITLE :- Simplex Basket Filter (SIZE : 6"NB,150#) (Item Code : BPSTBC070615)		
SCALE :- N.T.S		FILE No: 786686	
A.O.No :- 7866		DATE:-14/11/2010	

096SB9863





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

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

SUBJECT TO INCORPORATION OF COMMENTS

APPROVED
HINDUSTAN 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.
 - (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)/(Viscosity)	84 / 100 m3/hr. / (1.5 m/s)		
Viscosity / Sp.Gravity	10 CP / 1.63		
Opt. Press./Temp.	1.224 to 2.345 kg/cm2(g) / 50°C		
Design Pressure/Temp.	7.138 kg/cm2 (g) / 65°C		
Hydrotest Pressure	15 kg/cm2 (g)		
Max.Allow.Press.Drop at Clean Cond.	0.5 kg/cm2 (g)		
Filtration Area-Gross/Net	4260 / 1235 Cm2 (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 S.S.Part One Coat of Zinc Chromate as per IS 2074-88 One Coat of Aluminium Paint as per IS 2934-88		

29	Stiffner for Bottom Cover	1	S.S.316L	From 20 x 10 Thk.
28	Stud With Two Nuts for (N5)	4	SA193Gr87/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 16 ϕ Rod
22	Stud With Two Nuts for (N5)	4	SA193Gr87/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 265
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	168.3 ϕ Holes at 4.8 Tmglr Pitch
9	Bottom Cover	1	SA240TP316L	342 ϕ X 12 Thk.
8	Shell	1	SA240TP316L	14"NB, 5 Thk., Fob.
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 With Two Nuts	12	SA193Gr87/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-IV,G.D.C. Vatva, Ahmedabad-382 445. Ph:(079) 25841164/1602; Fax:25842719 E-mail ID : gdf@gujrat.com		CLIENT:- Hindustan Dorr Oliver Ltd Project No:BYC-2090127 P.O.No:-4520005118, 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 : BPST9C070615)		SCALE :- N.T.S A.O.No :- 7866		
		FILE No: 7866B6 DATE:-14/11/2010		
		096SB9863 1		