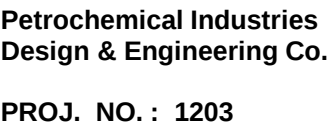
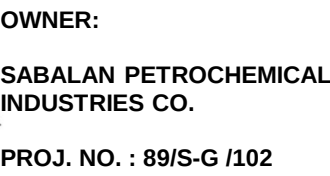


 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102			
	COVER SHEET					
DATA SHEET FOR MOTORIZED FIRE DAMPER FOR ANALYZER DOCUMENT NO : 1203-00-HV-DSH-230 TOTAL PAGES : 1 (Excluding Cover & Revision Index Sheets)						
ED		EXT		CF		A
Eng. Phase		Purpose Of Distribution (POD)		Purpose Of Issue (POI)		Owner's Action
02	11.04.2016	CERTIFIED FINAL (Generally Revised)		A.Mirzaie	M.Mashayekh	A.Moadeli N.Jafarpour
01	11.07.2012	APPROVED FOR CONSTRUCTION		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
00	27.05.2012	ISSUED FOR ENGINEERING		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
Rev.	Date	Description		Prepared by	Checked by	Approved by Project



DATA SHEET FOR MOTORIZED FIRE DAMPER FOR ANALYZER

Rev.: 02

[illegible]

 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102
	DATA SHEET FOR MOTORIZED FIRE DAMPER FOR ANALYZER		
	DOC. NO. : 1203-00-HV-DSH-230	Rev.: 02	

NO.	GENERAL									
1	Type	Motorized Fire Damper				Manufacturer / Origin * / *				
2	Tag No.	As Per Following Table				Air Flow cfm		As Per Following Table		
3	Quantity	As Per Following Table				Overall Size L x W mxm		As Per Following Table		
4	Service	As Per Following Table				Operating Weight kg		As Per Following Table		
5	SITE CONDITION									
6	Location / Latitude:	Assaluyeh / 28.5° N				Altitude m		34		
7	Ambient Air Temperature Max/ Min °C	48 / 5				Wet Bulb Temp °C		33		
8	CONSTRUCTION									
9	Frame	Material/Grade		Galv. Steel		Shafting		Material/Grade		12 mm S.S. 304L
10	Profile & Size mm		2		Type		Round Rod, One Cont. Per Blade			
11	Finish/Thickness mm		* / *		Dr. Force Transmission Mechanism			Bracket, Arm, & Leankage *		
12	Blades	Material/Grade		Galv. Sheet		Finish/Thickness mm		Galv. Steel / *		
13	Single / Double Skin		Double Skin		Nameplate Material			S.S. Plate		
14	Thickness mm		2x1.6 *		Bearings			S.S. Ball Bearing *		
15	Finish/Thickness mm		* / *		No. of Blades / Config. Par. / Op.			* / Parallel		
16	MISCELLANEOUS									
17	PRESSURE RELIEF DAMPER					OTHER SPECIFICATIONS (Note 6)				
18	Inside Set Pressure in.w.g		N.A.		Fire Rating			A0		
19	Mounting		-		Leakage Rate l/s per m2			<3 @ 100 Pa differential		
20	ELECTRICAL DATA					pressure & damper closed				
21	Motor Manufacturer / Origin		* / *		Control Enclosure Size mm			*		
22	Actuators Position / Rating		E / IP-54		Number Of Damper Units			1		
23	Actuators Power Rating w		*		System Design Pressure in.w.g			8.03		
24	Actuator Power Supply Volts		24 DC		Spring Set Point in.w.g			*		
25	Type Of Actuator		Electric Spring Return		Closure Time Sec			*		
26	Micro Switch Required / Rating		Yes / IP-55		Fusible Element Rating			IP-54		
27	Junction Box Required / Rating		Yes / IP-55		Note 7	Frangible Bulb Temp. °C			72	
28	ACCESSORIES									
29	Differential Pressure Switch		Not Required		Blade Seals			Extruded Vinyl on Blade Edge		
30	Counterweight		Not Required		Position Indicator			Required		
31	Manual Lever		Not Required		Limit (Micro) Switch / Manufacturer / Origin			Required / * / *		
32	Tag No.	Air Flow (cfm)	Qty.	Size (Note 5) (mm x mm)	Electrical Classification	Service Equipment	DP (in.w.g)	Wght (kg)	Mfg. Model No.	Notes
33										
34	MFD-0050	1840	1	300x380	UNCLSFD.	Main Sup. Duct MFD	*	*	*	
35	MFD-0051	1400	1	320x380	UNCLSFD.	Main Sup. Duct MFD	*	*	*	
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										

REMARKS:

- 1
- * To be filled by vendor.
- 2
- The frame shall be so designed as to eliminate all water traps and all welds will be continuous.
- 3
- Air leakage past fully closed volume damper shall not exceed 5% of the maximum design air flow in the duct.
- 4
- N.A Not Applicable.
- 5
- The given size is equal the duct size that the damper will installed on it.
- 6
- The fire dampers are normally closed type. They will be open when energized. After de-energizing, or any signal failure, they should be closed automatically.
- 7
- Including M20 inlet & outlet cable glands.