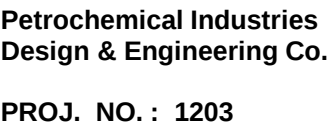
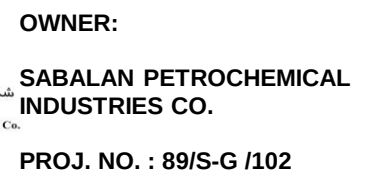


 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102			
	COVER SHEET					
DATA SHEET FOR MOTORIZED FIRE DAMPER FOR LABORATORY AND YARD OFFICE DOCUMENT NO : 1203-00-HV-DSH-240 TOTAL PAGES : 1 (Excluding Cover & Revision Index Sheets)						
ED		EXT		CF		A
Eng. Phase		Purpose Of Distribution (POD)		Purpose Of Issue (POI)		Owner's Action
03	11.04.2016	CERTIFIED FINAL		A.Mirzaie	M.Mashayekh	A.Moadeli N.Jafarpour
02	25.01.2016	APPROVED FOR CONSTRUCTION (Generally Revised)		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
01	07.04.2012	APPROVED FOR CONSTRUCTION		M.Moosavi	M.Momenaie	A.Moadeli N.Jafarpour
00	26.02.2012	ISSUED FOR ENGINEERING		M.Moosavi	M.Momenaie	A.Moadeli N.Jafarpour
Rev.	Date	Description		Prepared by	Checked by	Approved by Project



DATA SHEET FOR MOTORIZED FIRE DAMPER FOR LAB. AND YARD OFFICE

Rev.: 03

[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 LAB. AND YARD OFFICE		
	DOC. NO. : 1203-00-HV-DSH-240	Rev.: 03	

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-0040	6975	1	750x750	UNCLSFD.	Main Sup. Duct MFD	*	*	*	
35	MFD-0041	4460	1	680x600	UNCLSFD.	Main Ret. Duct MFD	*	*	*	
36	MFD-0042	4515	1	720x500	UNCLSFD.	F.F. Sup. Duct MFD	*	*	*	
37	MFD-0043	4110	1	700x500	UNCLSFD.	F.F. Ret. Duct MFD	*	*	*	
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- 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.