VENT SCRUBBER

Responsible Gas Flare System

PRODUCT DESCRIPTION

ERGIL's Vent Scrubber is an air pollution control device that removes unwanted pollutants from industrial gas streams. It is used in controlling gaseous emissions, especially acid gases and heat recovery from hot gases by flu-gas condensation. A two-phase separator that scrubs free liquids from vent gas stream prior to entering the relief and blow-down lines in the flare system. This is used downstream of gas treating equipment and used to handle wide range of flow rates.

FEATURES

- Helps prevent liquids from entering the flare stack to help you run safer and cleaner operations
- Easy assembly and fast startup with optional skid-mounted system that includes level control and liquid evacuation pump
- Engineered lifting lugs for ease of installation and safety
- Compact, efficient scrubbing of small gas flows from lab hoods, storage tanks, and small industrial pilot plant equipment
- They are economical in their use of water. They can provide a draft as fans can but they are also efficient in particulate and noxious gas removal - unlike fans

PROCESS DATASHEET FOR INTERNALS

COMPANY:	**CONTACT PERSON:**
Address:	Tel: Fax: E-mail:
Service:	Unit:

Vessel Name:		
Tag No:	ID, mm	
	T/T, mm	

2 or 3 Phase Operation

INPUT DATA				
Operating Temp/Press:		oC	Barg	
Bulk Fluid Description:		**GAS**	**OIL**	**WATER**
Fluid Flowrate:	kg/h			
Fluid Density:	kg/m3			
Gas MW:				
Liquid Surface Tension:	mN/m			
Actual Flowrate:	m3/h			
Standard Flowrate:	Nm3/h			
	MMSCFD / BPD			

OUTPUT PARAMETERS DESIRED

PRODUCT ORDER SHEET FOR VESSELS

Design Code:							
External Diameter:			Length(T/T):				
Operating Temperature:		NOZZLE SCHEDULE					
Design Temperature:		Item	Size	Rate	Face	Type	Service
Operating Pressure:							
Design Pressure:							
Hydro Test Pressure:	Bar g						
Shell Thickness:	mm						
Head Thickness:	mm						
Corrosion Allowance:	mm						
Joint Efficiency:	Shell:						
	Head:						
Internals(Please fill the process):							
Fireproofing:							
Insulation:							
Painting:							
Pickling and Passivating:							
Nace:							
Stress Relive:							
Radiography:							
Ultrasonic Testing:							
Inspection:							
Stamp:							
Empty Weight:							
Operating Weight:							
Test Weight:							
Capacity:							

CONSTRUCTION AND MATERIAL SPECIFICATION			
Type of Heads:		Earthing Lug:	
Orientation:		Lifting Lug:	
Position:		Name Plate:	
Ladder Platform Clips:		Hand Grip & Ladder Rung:	
Insulation Rings or Clips:		Sacrificial Anodes:	
Impressed Current Chps		Sacrificial Anodes Clips:	
Davit and Support:			
DESCRIPTION	MATERIAL	DESCRIPTION	MATERIAL
Shell:		Flanges/Nozzles:	
Heads:		Pipes:	
Saddles, Skirts,Legs:		Gaskets:	
Internal Coating:		External Studs:	
Internals:		External Nuts:	
External Attachments:		Internal Studs:	
Internal:		Internal Nut:	
Reinforcement Plates:			

Notes/Remarks:

ABOUT ERGIL

Focused on high quality service and products, ERGIL is a 30 year old organization into the manufacturing of tanks, equipments and accessories for storage tank terminals, refineries, pipelines, process and industrial plants. Known as a leading engineering, procurement and construction(EPC) company, it has extensive experience in storage tank design, custom shop fabrication and field erection.

Automatic Shot Blasting System

Automatic Column Boom Welding & Rolling Machines

The team works with many international standards such as API, ASME, EN, DIN,ISO and GOST. They are also ISO 14001 : 2004 ISO 9001 : 2008,OHSAS 18001 : 2007,ASME U,ASME S,ASME R ASME R certified.

Manufacturing Plant in Mersin,Turkey

ERGIL's 32,000 sq/m facility in Mersin, Turkey and team of experienced professional engineers and management enables them to bear and meet complex projects and deliver with ease. As a modern facility it is equipped with the latest technology, including fully automated welding, rolling, CNC plasma cutting, shot blasting, heating, painting system and lifting machines. ERGIL is also capable of handling in-house pressure testing, radiography, and other non-destructive tests.

Automatic Plate Rolling Machine

Headquarters

EGS Business Park B2 Kat: 11 No: 348
34149 - Bakirkoy / İSTANBUL/ TURKKEY
Phone : +90 212 485 40 07 (Pbx)
Fax : +90 212 485 40 42

Middle East & North Africa Region

Jumeirah Lake Towers, X2 Tower 1906
P.O. Box: 123661
Dubai, UAE
Phone : +971 4 450 8051
Fax : +971 4 450 8041

CIS Region

B. Safaroglu 133I 8th Fl. No:2
Baku, Azerbaijan AZ1000
Phone: +994 507354339

Far East Asia Region

Level 21, Centennial Tower
Singapore 039190
Phone : + 65 6549 7515 (DID)
Fax : + 65 6549 7001

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