



LPG VAPOR DEMISTER SEPARATOR

Models DM 250-5000

OPERATION

The **GAS-TRAP™ DM Series** Vapor Demister-Separator removes entrained liquids contaminants commonly found in LPG vapor. Use of the **GAS-TRAP™** reduces maintenance and downtime of downstream LPG consuming equipment keeping valves, orifices and burners free from particulate buildup.

During operation, the LPG vapor flows into the demister and passes through a stainless steel coalescing element. The coalescing element provides maximum impingement area for the vapor flow, ensuring high efficiency.

An optional secondary reservoir, complete with isolation valve, allows the trapped liquids material to be drained while the LPG system remains in operation.

STANDARD FEATURES

- Steel shell designed and manufactured per ASME Section VIII, Division 1. Shell internal diameter equal to or greater than 6" are available ASME 'U' Stamped.
- Effective in removing up to 99% of entrained liquids above 10 microns.
- Virtually maintenance free.
- Stainless steel woven mesh coalescing element.
- Demister pressure rating: 1.72 Mpa (250 PSIG)
- All exposed metal surfaces are mechanically cleaned, primed and painted.
- Complete with all trim components, including differential pressure gauge and isolation valves for the gauge and drain.

OPTIONS

- Secondary Reservoir with isolation valve.
- Factory mounting on LPG systems (*contact factory*).
- Factory Insulation on mounted Demisters (*contact factory*).



GAS-TRAP™ DEMISTER VAPOR

GAS-TRAP™ LPG DEMISTER

DEMISTER SEPARATOR SPECIFICATIONS

MODEL DM:		250	550	1000	1500	2500	
LPG FLOW CAPACITY	GPH Kg/h	250 477	550 1,050	1,000 1,910	1,500 2,865	2,500 4,775	
INLET SIZE	300# ANSI RF Flange	2"	2"	2"	3"	3"	
OUTLET SIZE	300# ANSI RF Flange	2"	2"	2"	3"	3"	
* DRAIN SIZE	FNPT	0.75	0.75	0.75	0.75	0.75	
DEMISTER VESSEL DIAMETER	mm inches	168.0 6.6	219.0 8.6	237.0 10.7	356.0 14	406.0 16	
RESERVOIR VESSEL DIAMETER	mm inches	168.0 6.6	219.0 8.6	237.0 10.7	356.0 14	406.0 16	
RESERVOIR VESSEL CAPACITY	ltrs US Gallon	7.6 2	15.1 4	30.2 8	45.4 12	75.6 20	
INCLUDES ALL TRIM (A P gauge, isolation valves, etc.)	YES or NO	YES	YES	YES	YES	YES	
OVERALL DEMISTER DIMENSIONS	Width	mm	54.6	64.5	71.1	84.5	90.2
		inches	115.3	141.3	147.0	144.5	158.4
	Length	mm	21.5	25.4	28.0	33.3	35.5
		inches	45.4	55.6	57.9	56.9	62.4
SHIPPING WEIGHT	Kg	57	86	122	173	210	
	lbs	125	190	270	380	460	

- A bypass around the Demister is recommended.
- Drain Size is for both Demister and Reservoir.
- Contact EEI for a Dimensional Drawing.
- Product improvement is a continuing goal at Ely Energy, Inc. Designs and specifications are subject to change without notice.
- Contact EEI for sizes larger than DM2500.

GAS-TRAP™ is a trademark of Ely Energy, Inc.



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