

SERVICE, EXPERIENCE, INNOVATION & EXCELLENCE



Flow MD is the leader in compact meter prover technology. With an innovative and patented design, the FMD line of provers provides superior performance, design, and functionality. All FMD Provers conform to API MPMS Chapter 4 Standards. The FMD-045 includes 8" ANSI B16.5 flanges on both the inlet and outlet, 2" drain flanges, and 2" vents with thermowell and ports for temperature and pressure verification. The FMD-045 is an excellent choice for your meter proving application.

Flow Rates & Displaced Volumes:

FMD-045 Max Flow Rates*				*We want to ensure that you get the proper FMD Meter Prover for your application. Please contact us to discuss your specific application and the optimal FMD Prover for your application. Meter type, brand, operating conditions, and fluid characteristics will affect prover sizing.	
FMD-045	BPH	GPM	M ³ h		
	6,400	4,500	1,022		
Displaced Volumes**					
FMD-045	Gallons		Liters*		
	Primary	Secondary	Primary	Secondary	
	35	25	130	100	**Please Note: Standard prover volume is in gallons, liters are optional. Prover requires non-standard switchbar for liters. Alternate displaced volumes are available for liters, please contact factory for additional information.

Included with Standard Prover Package:



Electrical Connections



P.I.M. Electronics Module



Vent Manifolds (2)

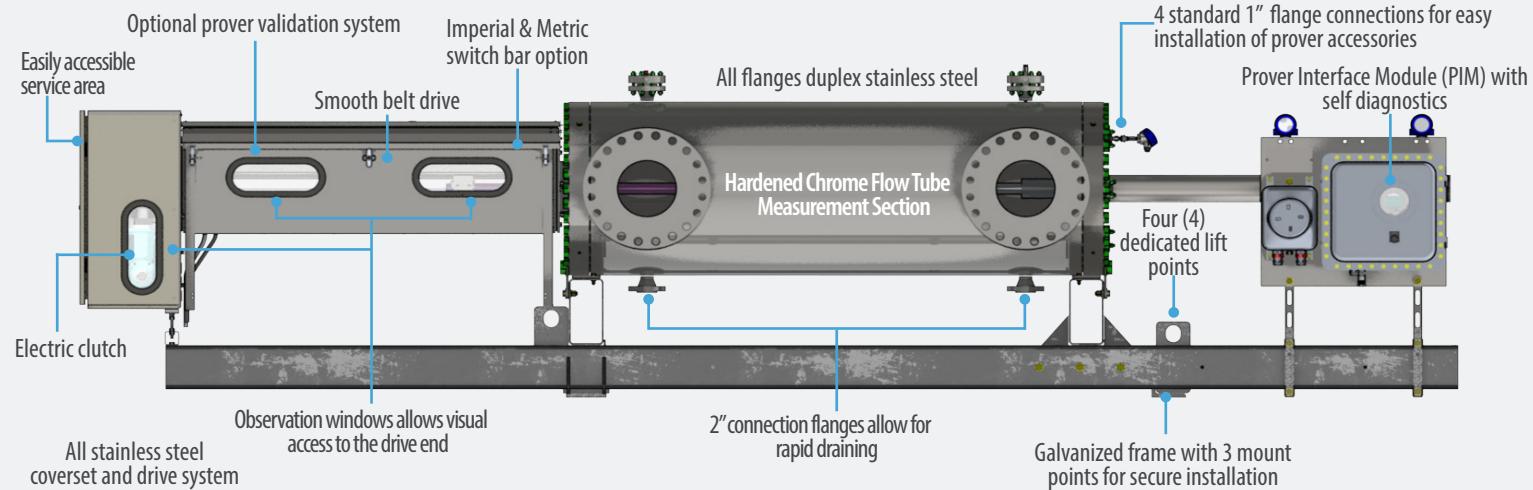
*Please Note: Proving calculations require switch bar temperature, tube temperature, and tube pressure. FMD quotes these as standard options with the prover package.

Field Installation Pictures:

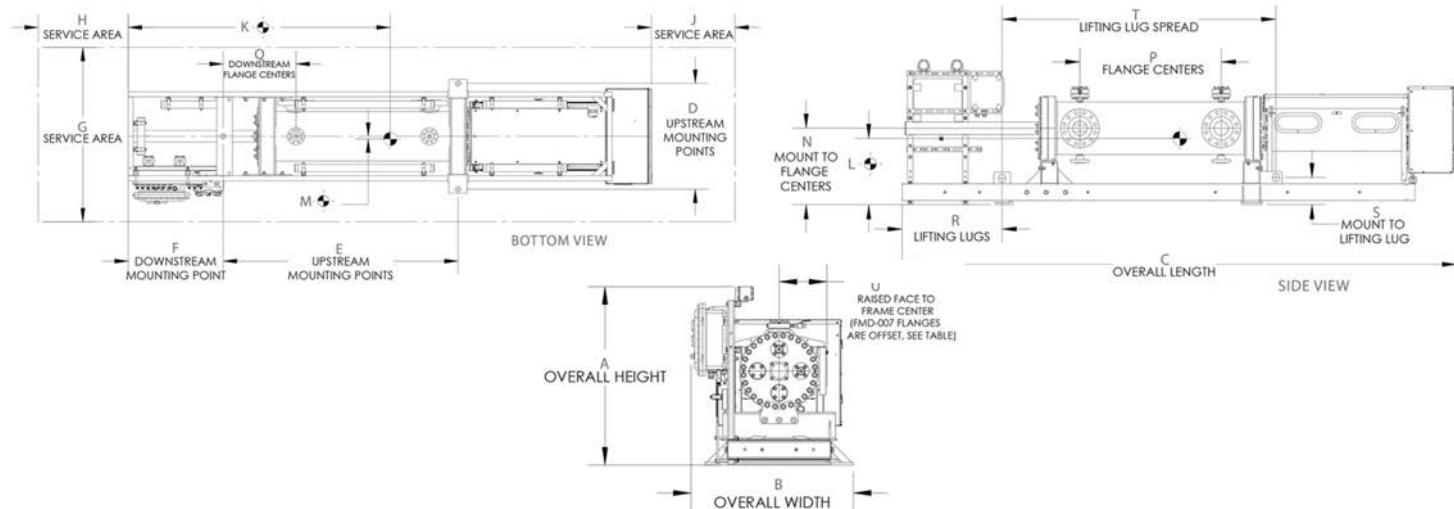


Contact us today to discuss the benefits provided by FMD Small Volume Provers

FMD Prover Features:



FMD-045 Prover Dimensions:



FMD-045 Dimensions	A	B	C	D	E	F	G	H		J	K	L	M	N	P	Q	R	S	T	U
	Min	Max																		
Pressure Rating																				
150#	53.12	58.21	195.50	51.50	84.25	35	120	32	79	30	95	30	1	34.38	54.25	24.50	34.69	14	90.57	15.88
300#	53.12	58.21	195.50	51.50	84.25	35	120	32	79	30	95	30	1	34.38	54.25	24.50	34.69	14	90.57	16.25
600#	53.12	58.21	195.50	51.50	84.25	35	120	32	79	30	95	30	1	34.38	54.25	24.50	34.69	14	90.57	17.50
900#	55.36	58.21	195.50	51.50	84.25	35	120	32	89	30	93	31	1	35	53.38	23.25	34.69	14	90.57	19.13

Drawing Notes: All dimensions are shown in inches. 1. Dimensions "K" and "L" are for center of gravity within 6 inches. 2. Spacial dimensions have a tolerance of 1.00 inches. 3. Dimension "P" is inlet-to-outlet flange distance, drains and vents may vary. 4. All FMD-130 600# and FMD-200 models have 8 lifting lugs. Table gives dimensions to outermost lugs. 5. All dimensions are subject to change without notice. 6. For TT configurations see specific outline. 7. Dimension "H" max is the distance required to remove fully assembled piston assembly from the prover. Complete seal change may be done with piston not completely removed which requires 32".

FMD-045 Weights	Weight (+/- 5%)		Weight with Crate (+/- 5%)		Weight Filled w/ Water (+/- 5%)	
ANSI Pressure - 150#	7,130	3,240	8,055	3,650	7,925	3,595
ANSI Pressure - 300#	7,230	3,285	8,155	3,700	8,025	3,640
ANSI Pressure - 600#	7,330	3,330	8,255	3,750	8,125	3,690
ANSI Pressure - 900#	8,750	3,970	9,675	4,390	9,545	4,330

Energy Consumption Motor Voltage / Phase Availability & Amperage Draw					
FMD-045 Motor Horsepower	120 VAC 1 Phase 50-60 Hz	220 VAC 1 Phase 50-60 Hz	208-240 VAC 3 Phase 50-60 Hz	380-400 VAC 3 Phase 50-60 Hz	440-480 VAC 3 Phase 50-60 Hz
2.0	22	11.6	8.6	5.2	2.9