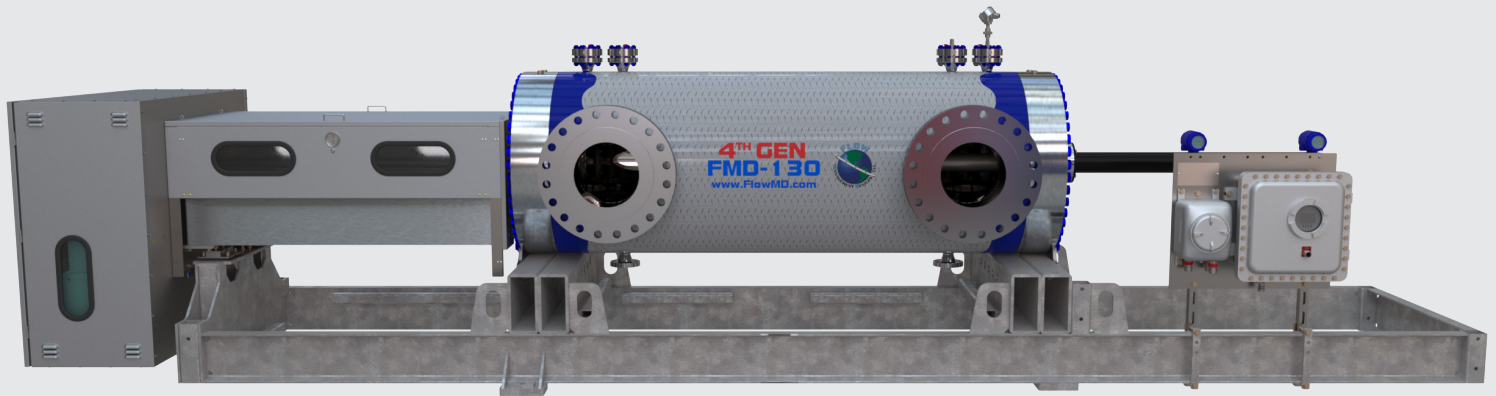


4TH GEN

Unidirectional Captive Displacement Small Volume Prover



A Unit of IDEX Corporation



Improving Liquid Measurement Technology

Flow Management Devices raises the bar in Small Volume Prover design and performance with its comprehensive 4th Gen line of Unidirectional Captive Displacement / Small Volume Provers.

Our provers are designed per API MPMS Chapter 4 standards to verify the accuracy of almost any liquid flowmeter type, including manufactured pulse meters. Flow rate capabilities range from 142 BPH to 35,000 BPH. FMDs 4th Gen Provers ensure accurate and repeatable proving performance.

Flow MDs 4th Gen patented prover design provides an accurate and fast measurement with minimal product displacement. Our provers are easy to operate, with self-diagnostics and long-wearing seals made of proprietary PTFE blends.

The piston-poppet assembly design minimizes flow disturbances, and the all-stainless steel drive end holds up to harsh field proving conditions.

FMD's unique and compact design utilizes pulse interpolation electronics, a patented drive end, a motor-driven piston with durable carbon fiber belts, a smooth bore cylinder, a poppet valve, and optical position sensors.

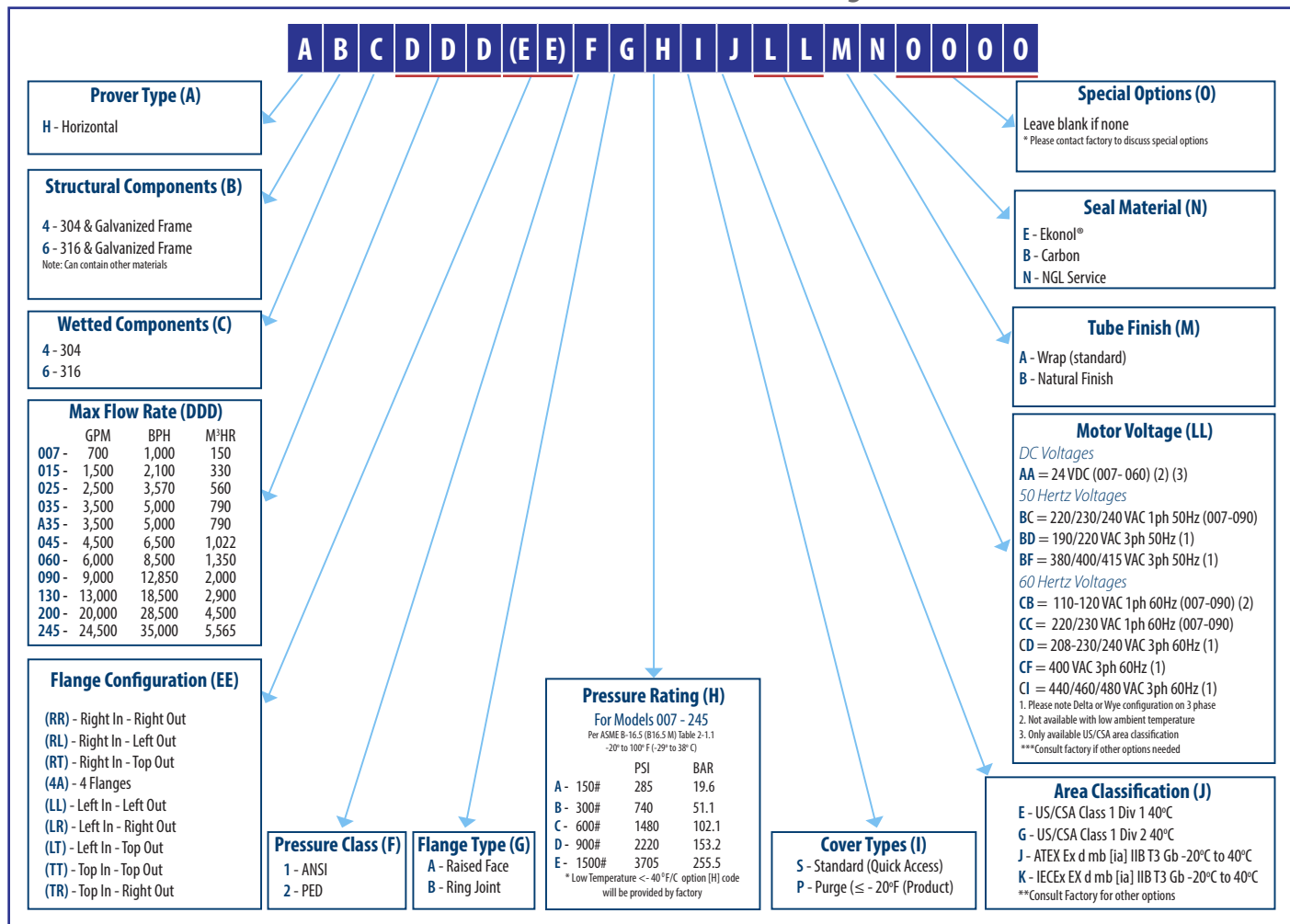
Contact us today to discuss your proving application.

Features:

- Uncertainty $\leq 0.005\%$
- Repeatability $\leq 0.02\%$ (ISO Cal Lab)
- Conforms to API MPMS Chapter 4 Standards
- Easily handles heavy crude
- All wetted parts Stainless / PTFE
- Smooth belt drive with clutch
- Metric switchbar option available
- Shock mounted isolation pads for independent drive and support
- 2" connections allow for rapid draining (FMD-025 to FMD-200)
- 2" vents for pressure and temperature verification (FMD-025 to FMD-200)
- Prover validation / self-test function
- Easily access common serviceable parts

fmd-sales@idexcorp.com - www.flowmd.com

FMD Prover Model Number Configuration



FMD Prover Flow Rates and Displaced Volumes

FMD Model Number		FMD-007	FMD-015	FMD-025	FMD-035	FMD-045	FMD-060	FMD-090	FMD-130	FMD-200	FMD-245	
*Max Flow Rate	*Please contact FMD to verify prover sizing. Meter type, process fluid and operating conditions must be considered to properly size a prover.											
	GPM	700	1,500	2,500	3,500	4,500	6,000	9,000	13,000	20,000	24,500	
	BPH	1,000	2,100	3,570	5,000	6,400	8,500	12,850	18,500	28,500	35,000	
	M ³ /HR	150	330	560	790	1,022	1,350	2,000	2,900	4,500	5,565	
**Displaced Volume	Gallons	Primary	5	10	20	25	35	50	80	90	140	168
		Secondary	4	8	15	20	25	40	60	60	100	126
	Liters	Primary	19	38	76	95	132	189	302	340	530	636
		Secondary	15	30	57	76	95	151	227	227	378	477
Inlet / Outlet Flange Size (ANSI B 16.5)		3"	4"	6"	6"	8"	10"	12"	16"	20"	24"	
<p>**Please note: Standard prover volume is in gallons, liters are optional - Prover requires non-standard switchbar for liters.</p> <p>Alternate displaced volumes are available for liters, please contact factory for additional information.</p> <p>*** Liters are a direct conversion and not indicative of Seraphin can sizes.</p>												

