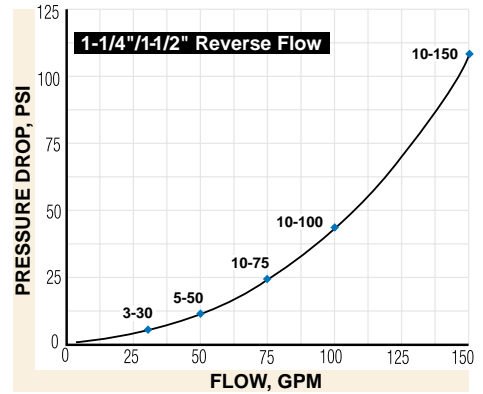
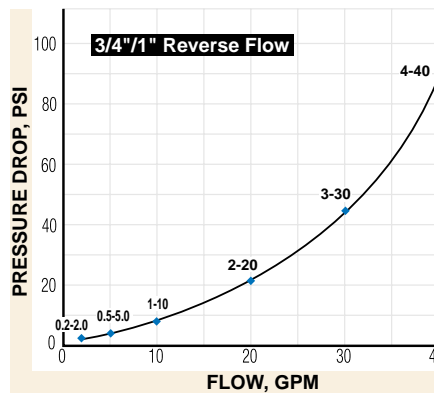
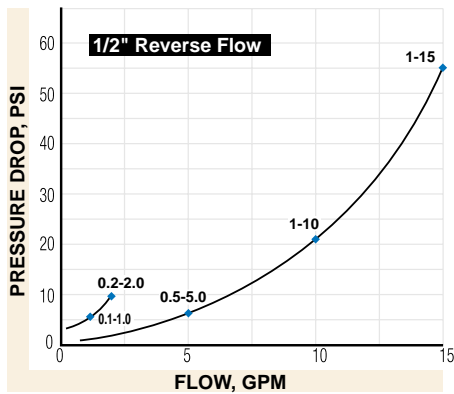
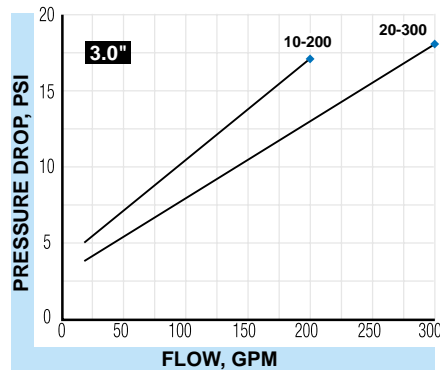
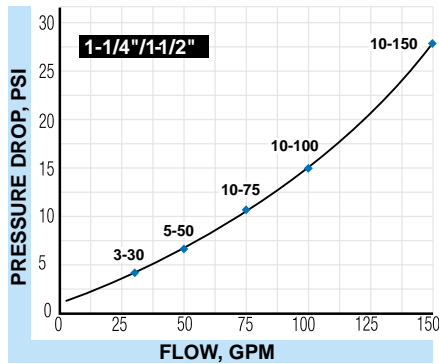
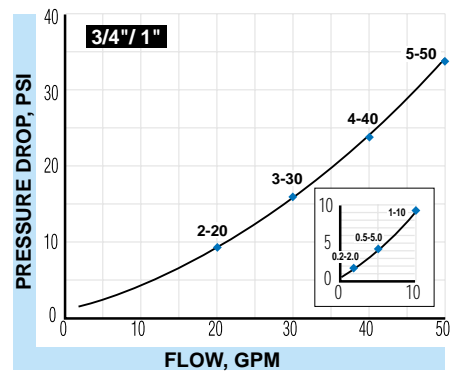
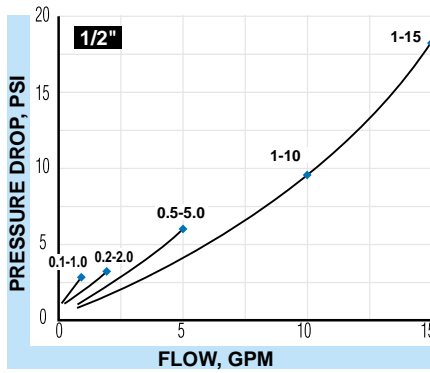
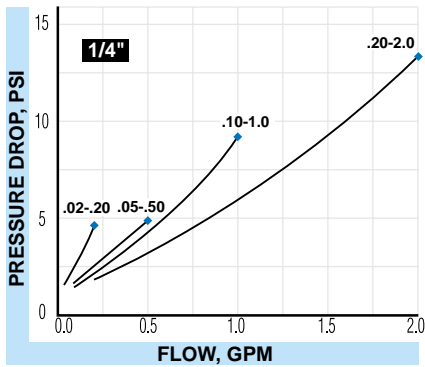


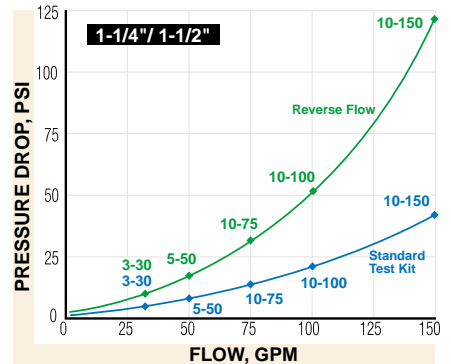
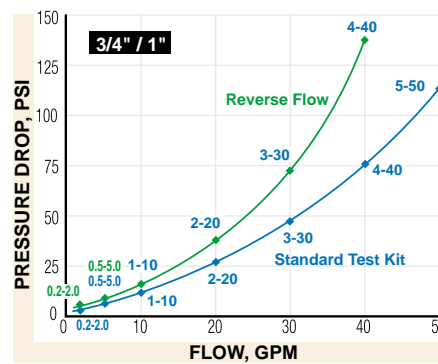
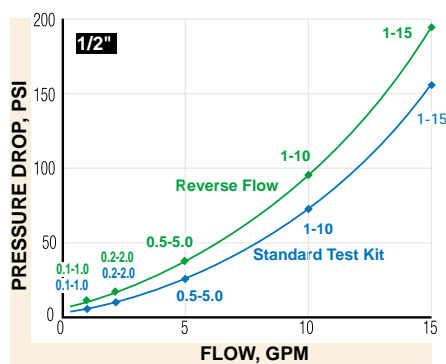
# Flow vs. Pressure Drop

## Petroleum Fluids



Note: Calibrated with 140 SUS ( 32 cSt ), 0.876 s.g. hydraulic oil

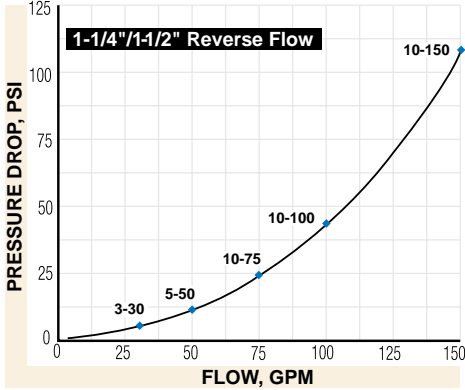
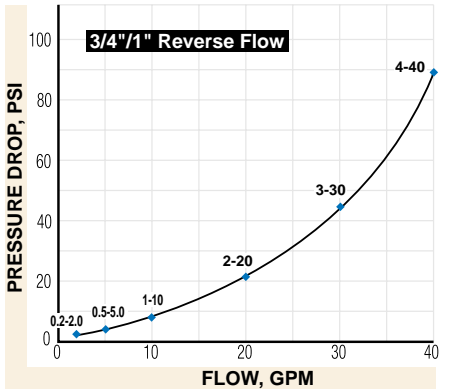
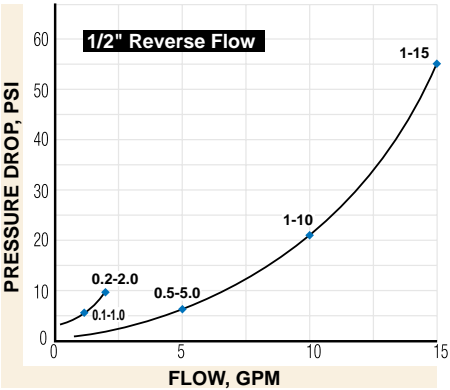
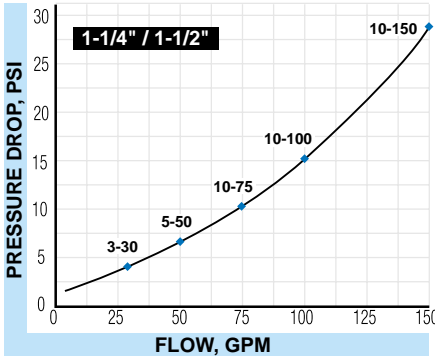
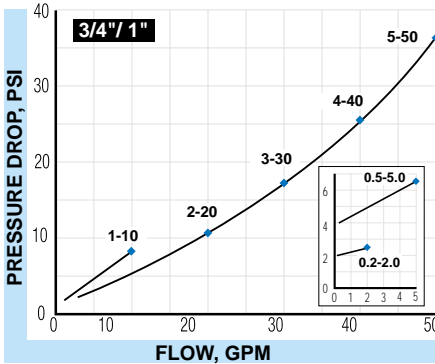
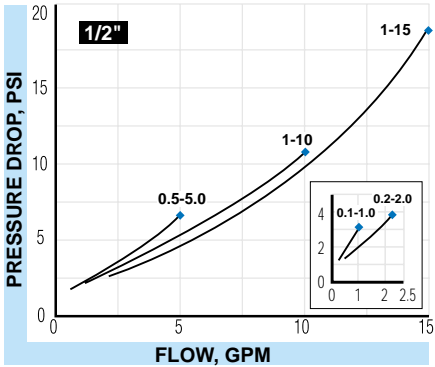
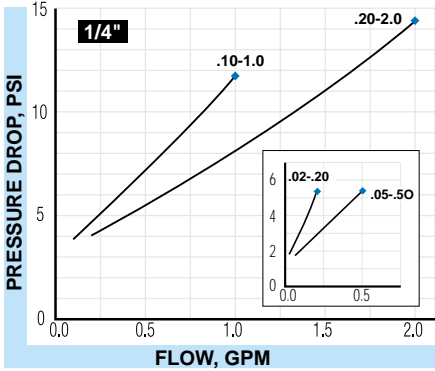
## Petroleum Test Kits



Note: Calibrated with 140 SUS ( 32 cSt ), 0.876 s.g. hydraulic oil

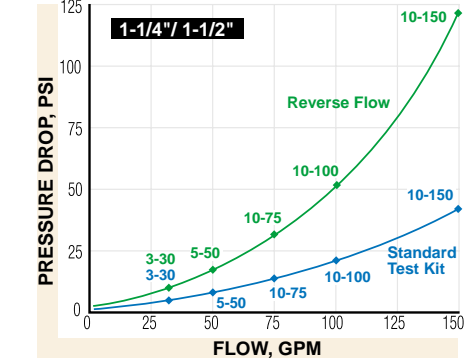
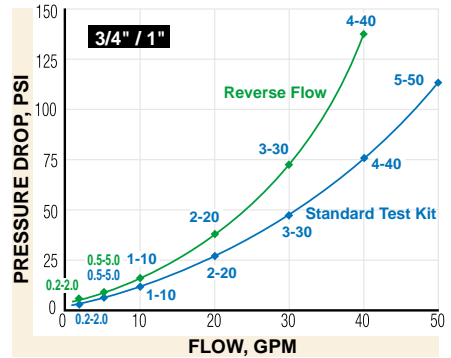
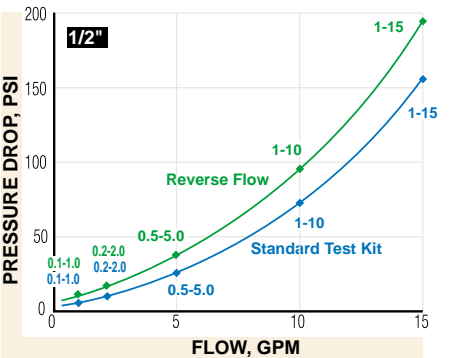
# Flow vs. Pressure Drop

## Phosphate Ester



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for 1.18 s.g. fluid

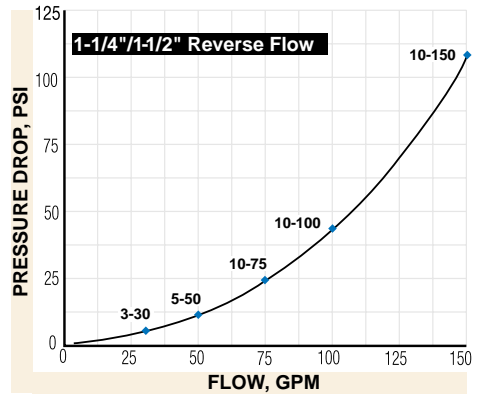
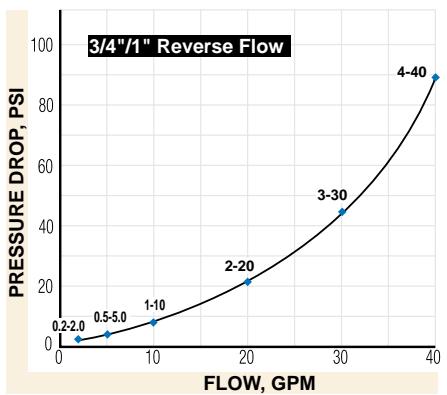
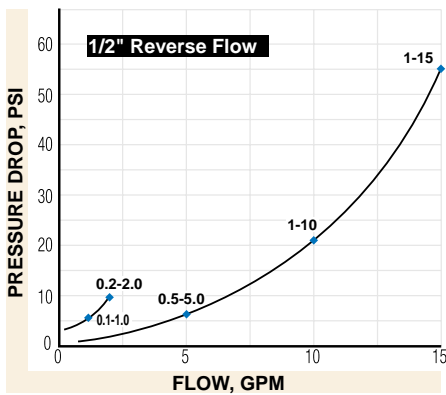
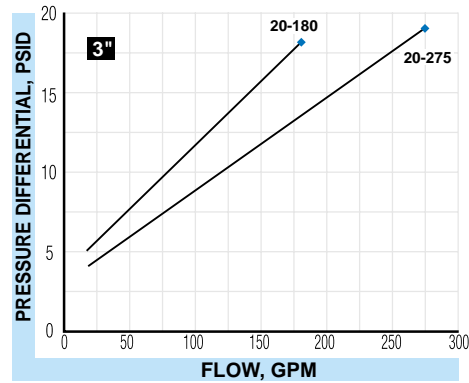
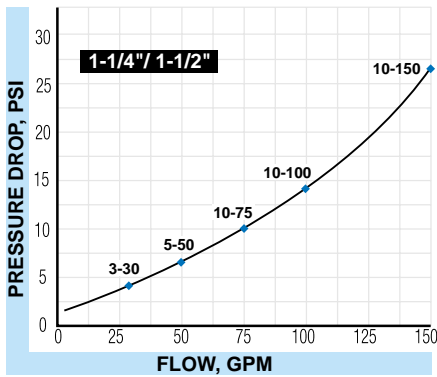
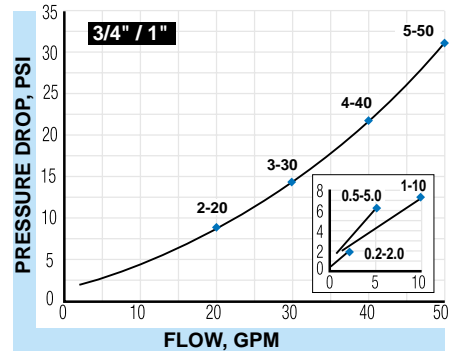
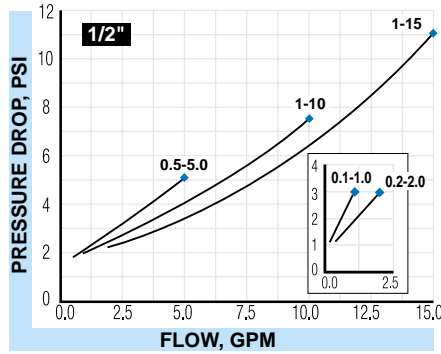
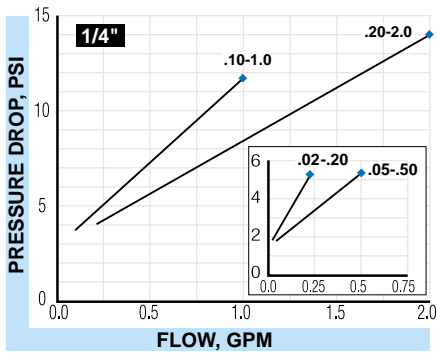
## Phosphate Ester Test Kits



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g.) hydraulic oil  
Flow meter scales are corrected for 1.18 s.g. fluid

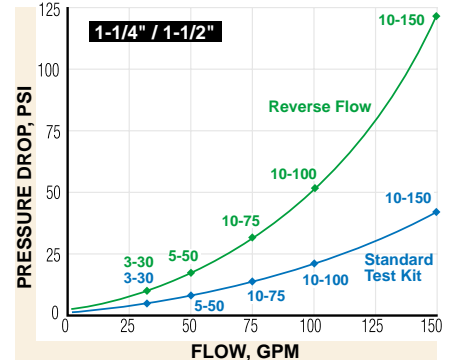
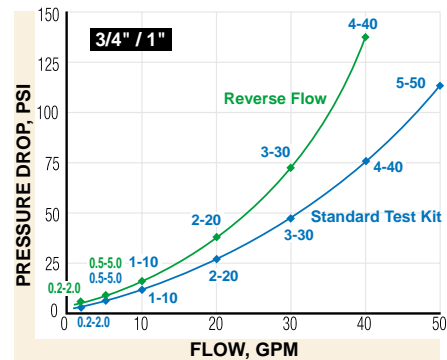
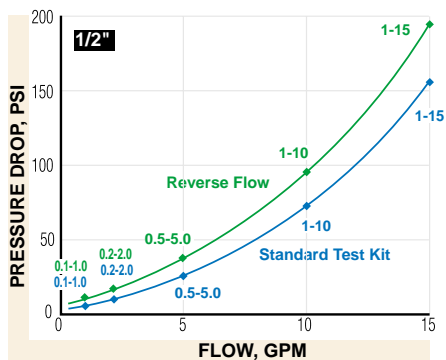
# Flow vs. Pressure Drop

## Water Based Fluids



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for 1.00 s.g. fluid

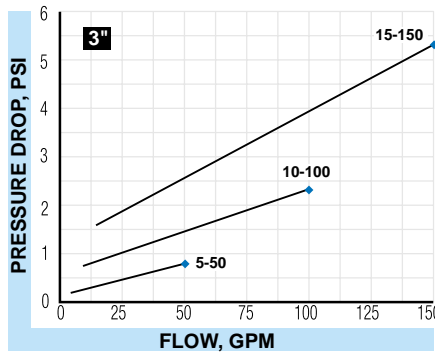
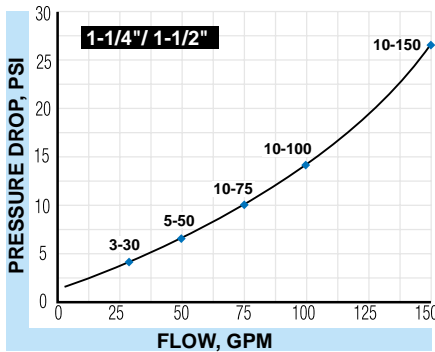
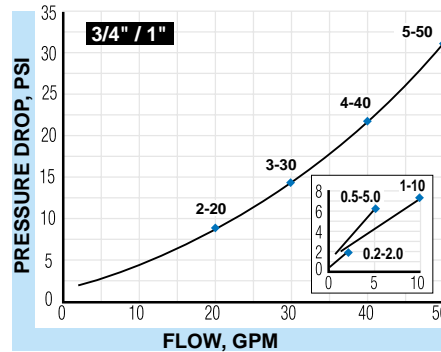
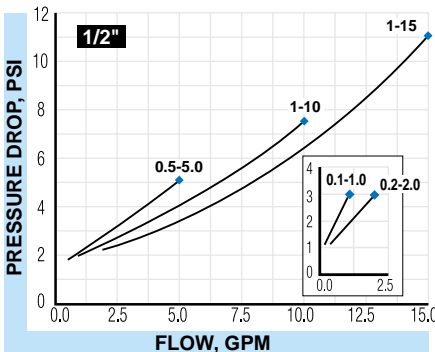
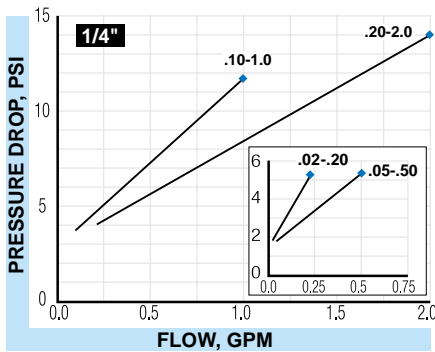
## Water Based Fluid Test Kits



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for 1.00 s.g. fluid

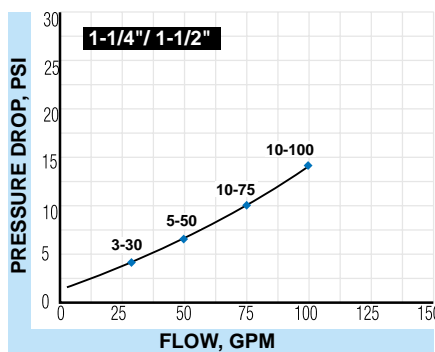
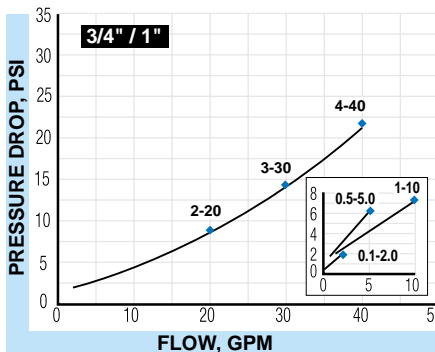
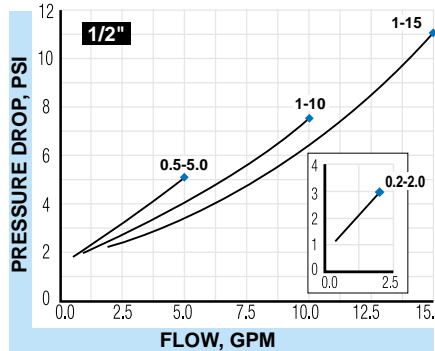
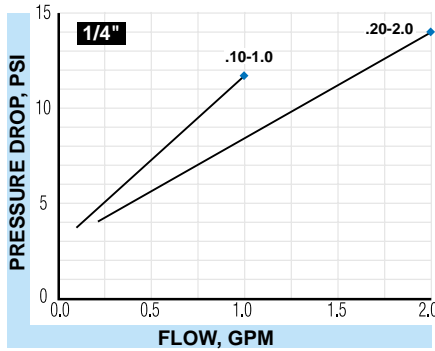
# Flow vs. Pressure Drop

## Water



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for 1.00 s.g. fluid

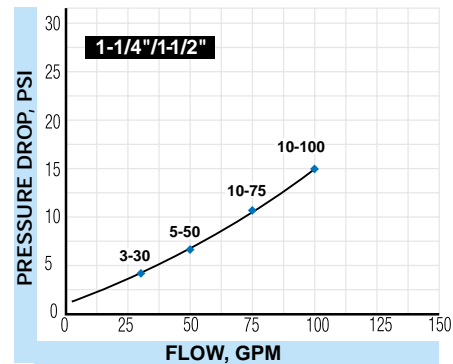
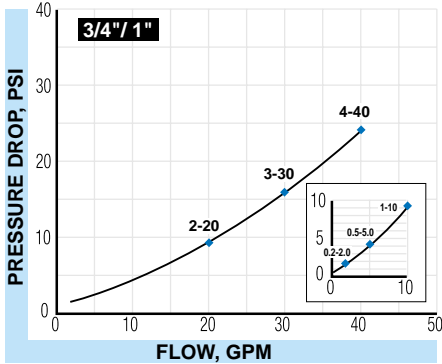
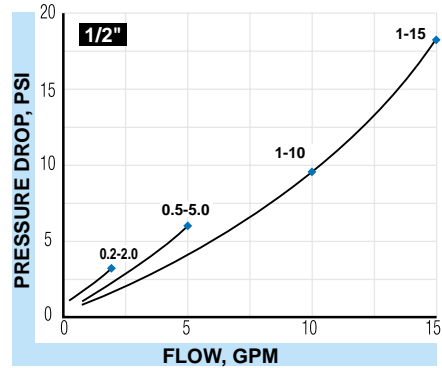
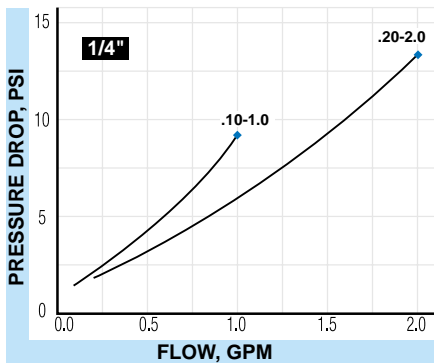
## Caustic and Corrosive Liquids



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for 1.00 s.g. fluid

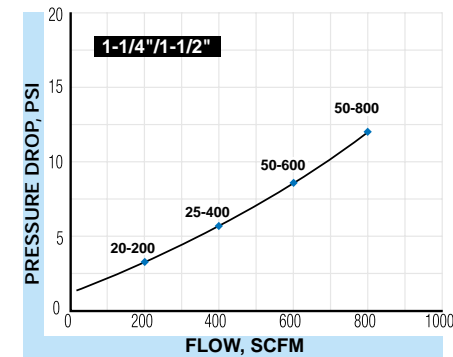
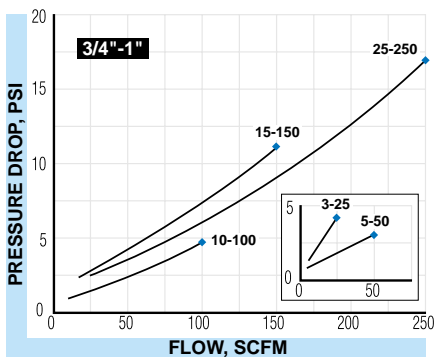
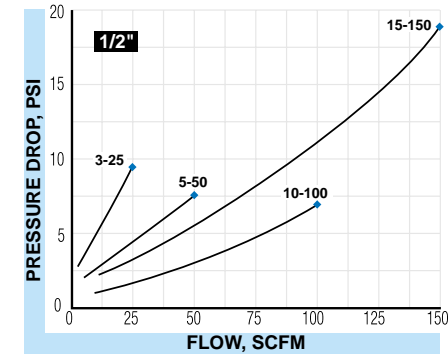
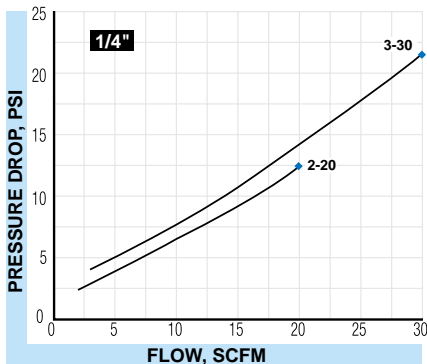
# Flow vs. Pressure Drop

## A.P.I. Oil



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil

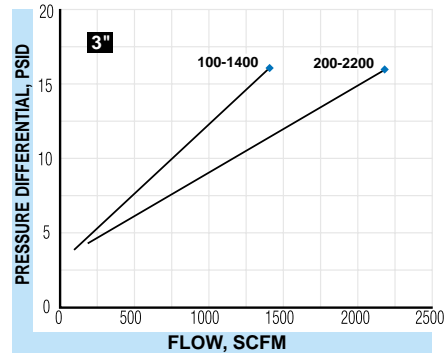
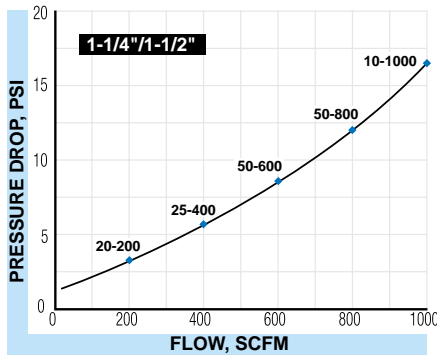
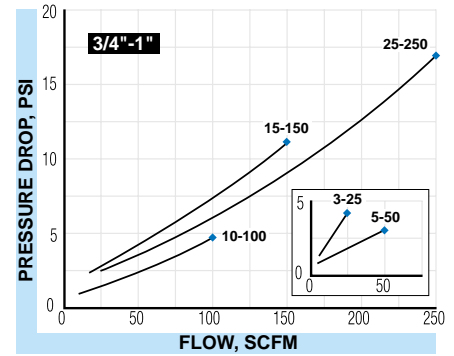
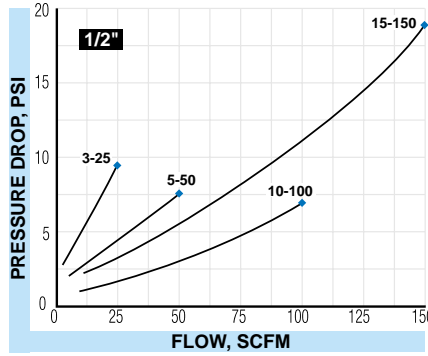
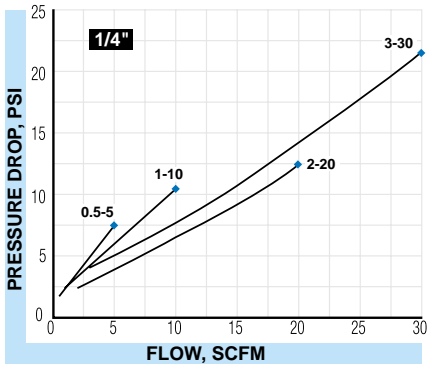
## Air / Caustic and Corrosive Gases



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for standard conditions

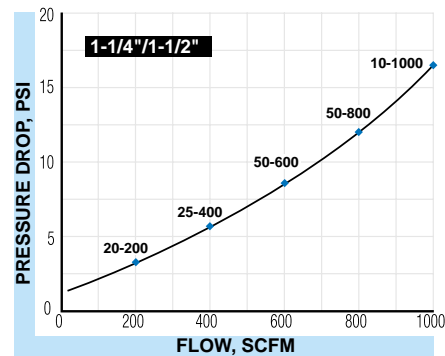
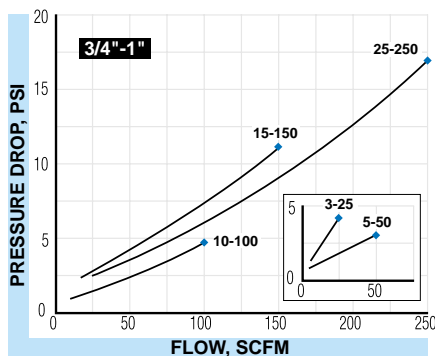
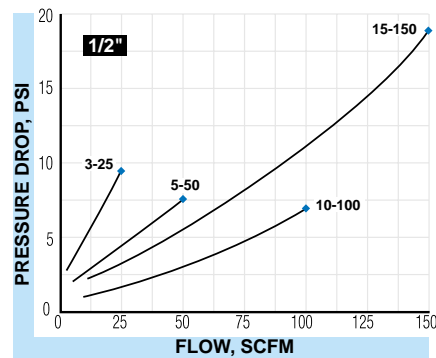
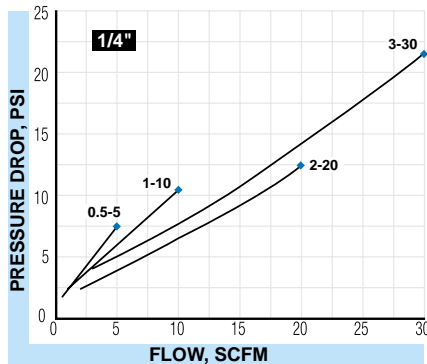
# Flow vs. Pressure Drop

## Air / Compressed Gases



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for standard conditions

## Air / Compressed Gas Test Kits



Note: Calibrated with 140 SUS (32 cSt), 0.876 s.g. hydraulic oil  
Flow meter scales are corrected for standard conditions

WEIGHTS For all Flow Meter Models	ALUMINUM w/Aluminum Internals	BRASS w/Brass Internals	T303 SS w/Aluminum Internals	T303 SS w/Brass Internals	T316 SS w/T316 SS Internals	HOSTILE ENVIRONMENT T316 SS w/T316 Internals
	lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)	lbs. (kg)
1/4 Standard Meter	1.0 (.23)	1.0 (.45)	.9 (.41)	1.0 (.45)	~	~
1/4 High Temperature	2.0 (.91)	CF	CF	CF	CF	~
1/4 API Oil/Caustic & Corrosive Liquids & Gases	~	~	~	~	CF	CF
1/4 Pneumatic Meter with Extended Cap	.7 (.32)	1.6 (.73)	1.5 (.68)	~	~	~
1/4 Pneumatic Meter w/ Extended Cap w/Gauge	1.2 (.55)	2.1 (1.0)	2.0 (.91)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	1.6 (.73)	2.5 (1.2)	2.3 (1.1)	~	~	~
1/4 Flow-Alert Flow Switch	3.5 (1.6)	CF	CF	CF	CF	~
1/4 Flow Transmitter	3.4 (1.5)	CF	CF	CF	CF	~
1/2 Standard Meter	1.7 (.77)	2.5 (1.2)	2.1 (.95)	2.4 (1.1)	~	~
1/2 Liquid Test Kit	4.9 (2.2)	5.7 (2.6)	5.3 (2.4)	~	~	~
1/2 High Temperature	2.0 (.91)	CF	CF	CF	CF	~
1/2 API Oil/Caustic & Corrosive Liquids & Gases	3.0 (1.4)	~	~	~	CF	CF
1/2 Pneumatic Meter with Extended Cap	2.1 (1.0)	3.8 (1.7)	3.3 (1.5)	~	~	~
1/2 Pneumatic Meter w/Extended Cap w/Gauge	2.7 (1.2)	4.3 (2.0)	3.8 (1.7)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	3.2 (1.5)	4.8 (2.2)	4.3 (2.0)	~	~	~
1/2 Flow-Alert Flow Switch	3.5 (1.6)	CF	CF	CF	CF	~
1/2 Flow Transmitter	3.1 (1.4)	4.8 (2.2)	CF	CF	CF	~
3/4 Standard Meter	2.0 (.9)	4.0 (1.8)	3.5 (1.6)	3.9 (1.8)	~	~
3/4 Liquid Test Kit	7.0 (3.2)	9.0 (4.1)	8.5 (3.9)	~	~	~
3/4 High Temperature	2.1 (1.0)	CF	CF	4.3 (2.0)	CF	~
3/4 API Oil/Caustic & Corrosive Liquids & Gases	~	~	~	~	4.3 (2.0)	4.6 (2.1)
3/4 Pneumatic Meter with Extended Cap	3.0 (1.4)	6.6 (3.0)	6.2 (2.8)	~	~	~
3/4 Pneumatic Meter w/Extended Cap w/Gauge	3.5 (1.6)	7.1 (3.2)	6.7 (3.1)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	4.4 (2.0)	7.9 (3.6)	7.5 (3.4)	~	~	~
3/4 Flow-Alert Flow Switch	4.2 (1.9)	7.0 (3.2)	CF	CF	CF	~
3/4 Flow Transmitter	4.3 (2.0)	CF	CF	CF	CF	~
1 Standard Meter	1.8 (.8)	3.7 (1.7)	2.7 (1.3)	3.4 (1.5)	~	~
1 Liquid Test Kit	6.8 (3.1)	8.7 (4.0)	7.7 (3.5)	~	~	~
1 High Temperature	3.0 (1.4)	CF	CF	CF	CF	~
1 Pneumatic Meter with Extended Cap	2.8 (1.3)	6.3 (2.9)	5.4 (2.5)	~	~	~
1 Pneumatic Meter w/Extended Cap w/Gauge	3.3 (1.5)	6.8 (3.1)	5.9 (2.7)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	4.2 (1.9)	7.6 (3.5)	6.7 (3.1)	~	~	~
1 Flow-Alert Flow Switch	4.5 (2.0)	CF	CF	CF	CF	~
1 Flow Transmitter	4.1 (1.9)	CF	CF	CF	CF	~
1-1/4 Standard Meter	7.3 (3.3)	16.8 (7.6)	14.6 (6.6)	16.8 (7.6)	~	~
1-1/4 Liquid Test Kit	18.7 (8.5)	28.2 (12.8)	26.0 (11.8)	~	~	~
1-1/4 High Temperature	9.6 (4.4)	CF	CF	CF	CF	~
1-1/4 API Oil/Caustic & Corr. Liquids & Gases	~	~	~	~	CF	CF
1-1/4 Pneumatic Meter with Extended Cap	9.9 (4.5)	24.3 (11.0)	21.1 (9.6)	~	~	~
1-1/4 Pneumatic Meter w/Ext. Cap w/Gauge	10.4 (4.7)	24.8 (11.2)	21.7 (9.8)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	12.5 (5.7)	27.0 (12.3)	23.8 (10.8)	~	~	~
1-1/4 Flow-Alert Flow Switch	11.6 (5.3)	21 (9.5)	CF	CF	CF	~
1-1/4 Flow Transmitter	11.7 (5.3)	CF	CF	CF	CF	~
1-1/2 Standard Meter	7.3 (3.3)	16.4 (7.5)	14.1 (6.4)	15.8 (7.2)	~	~
1-1/2 Standard Meter w/C62 Flange	19.0 (8.6)	28.2 (12.8)	25.8 (11.7)	~	~	~
1-1/2 Liquid Test Kit	18.7 (8.5)	27.8 (12.6)	25.5 (11.6)	~	~	~
1-1/2 High Temperature	CF	CF	CF	CF	CF	~
1-1/2 High Temperature w/C62 Flange	CF	21.8 (9.9)	CF	CF	CF	~
1-1/2 API Oil/Caustic & Corr. Liquids & Gases	~	~	~	~	CF	CF
1-1/2 Pneumatic Meter with Extended Cap	9.9 (4.5)	23.9 (10.8)	20.6 (9.4)	~	~	~
1-1/2 Pneumatic Meter w/Ext. Cap w/Gauge	10.4 (4.7)	24.4 (11.1)	21.2 (9.6)	~	~	~
Test Kit w/Ext. Cap/Gauge/Valve	12.5 (5.7)	26.6 (12.1)	23.3 (10.6)	~	~	~
1-1/2 Flow-Alert Flow Switch	11.7 (5.3)	21 (9.5)	CF	CF	CF	~
1-1/2 Flow Transmitter	11.5 (5.2)	CF	CF	CF	CF	~
3 Standard Meter	17.5 (8.0)	52.5 (23.8)	~	~	~	~
3 Standard Meter w/C61 Flange	20.0 (9.1)	55.0 (25.0)	~	~	~	~

~: Not available as standard option

CF: Consult factory for weights



# HEDLAND®

## Hedland's One Year Limited Warranty

The Hedland Division of Racine Federated, Inc. warrants to the original purchaser, for the period of one year from the date of purchase, that each new flow meter is free from defect in materials and workmanship.

This warranty is subject to certain limitations. Consult factory for details.





## EZ-View® Flow Meters

Featuring Hedland's unique spring loaded variable-area design. EZ-View meters can be installed in any position without affecting accuracy. They can be installed quickly without costly flow straighteners or other special plumbing requirements. These meters operate within  $\pm 7\%$  accuracy and are constructed of Polysulfone plastic. Available in 1/2, 3/4 & 1" NPTF or 3/4" & 1" brass and PVC sweat fittings. An optional AC or DC Flow-Alert flow-switch automatically signals alarms if flow is too high or too low. For more information, refer to the EZ-View Flow Meter catalog, form #239.



## Flo-tech Turbine Flow Meters

Flo-tech offers Activa™ and Ultima™ Sensor Arrays and FSB, FSC and FSD series turbine meters. These sensors have flow ranges from .3 to 350 GPM (1.1 to 1,325 LPM), pressures to 6,000 psi (413 bar) and temperatures to 300°F (149°C). Activa can provide pressure, temperature and flow measurement with 4-20 mA outputs. Ultima provides pressure, temperature and flow measurement with frequency outputs. Flo-tech also offers a line of digital displays to interface with all Flo-tech Turbine Meters. For more information, refer to the Flo-tech Turbine Meter catalog, form #300.



## Flo-tech Hydraulic Diagnostic Products

Flo-tech offers a line of hydraulic diagnostic products to assist in troubleshooting all types of hydraulic systems. Portable Hydraulic Testers are designed to monitor flows to 200 GPM (750 LPM), pressures to 6,000 psi (413 bar) and temperatures to 300°F (149°C). These portable battery-operated testers are available in a variety of flow ranges and port sizes. For more information, refer to the Flo-tech New Generation Portable Hydraulic Tester catalog, form #208 and the SIM Check Portable Hydraulic System Analyzer catalog, form #507.

If you have any questions or would like to receive literature on any of the above product lines, please feel free to contact one of our Customer Service Representatives by telephone at (262) 639-6770/ (800) 433-5263 or by telefax at (262) 639-2267/ (800) 245-3569 or visit our Web site: [www.hedland.com](http://www.hedland.com)



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