

Accu-Rate®

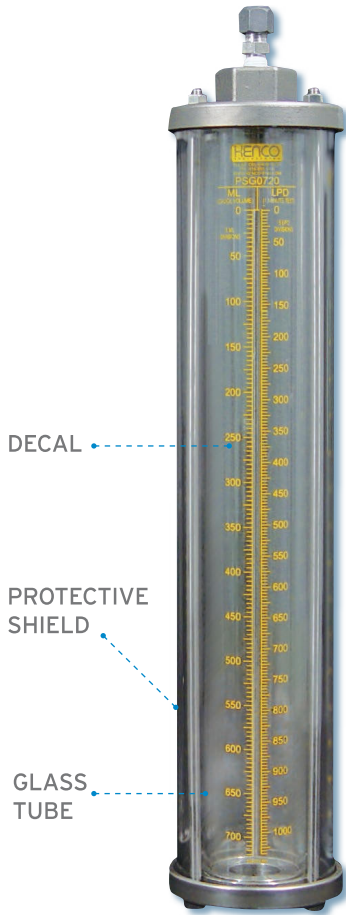
PRECISION PUMP SETTING GAUGES

APPLICATIONS:

Kenco Accu-Rate® Pump Setting Gauges utilize precision scientific glass to provide the most accurate reading possible for calibrating the flow rate of a chemical metering pump. They are also used to periodically monitor the performance and accuracy of a chemical injection system. The Accu-Rate® gauge can also be used as the primary containment reservoir of a liquid that will be pumped into a chemical injection system.

OPERATING PRINCIPLE:

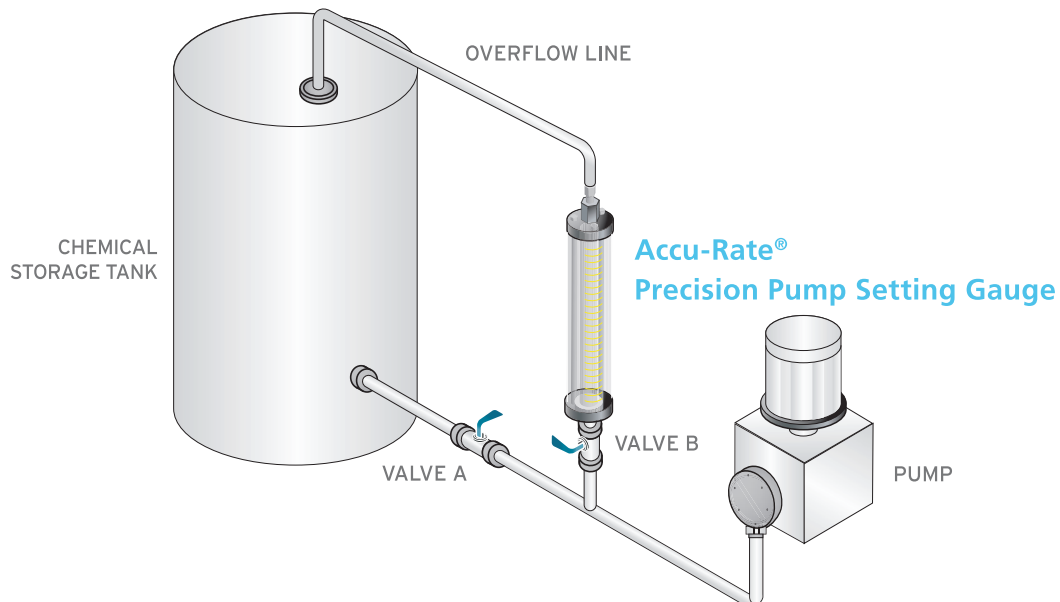
To check the flow rate of a chemical pump, isolate the chemical in the storage tank from the Accu-Rate® Gauge. Keep the isolation valve closed and observe the number of scale markings the liquid level passes in one minute. This will give you the actual chemical pump flow rate. If the rate is not the one desired, make an adjustment to the chemical metering pump feed rate and conduct as many one minute tests as necessary to achieve the chemical feed rate desired. The Accu-Rate® sight tube has a decal with (2) calibrated scales. The scale on the left side is a volume scale in milliliters (ML). In a one minute test, the scale will read the pump rate in milliliters per minute. The scale on the right side will depend on the desired flow rate unit of measure; i.e. Gallons per Day (GPD), Gallons per Hour (GPH), Liters per Day (LPD), Liters per Hour (LPH), U.S. Gallons by Volume (GBV) or Liters by Volume (LBV).



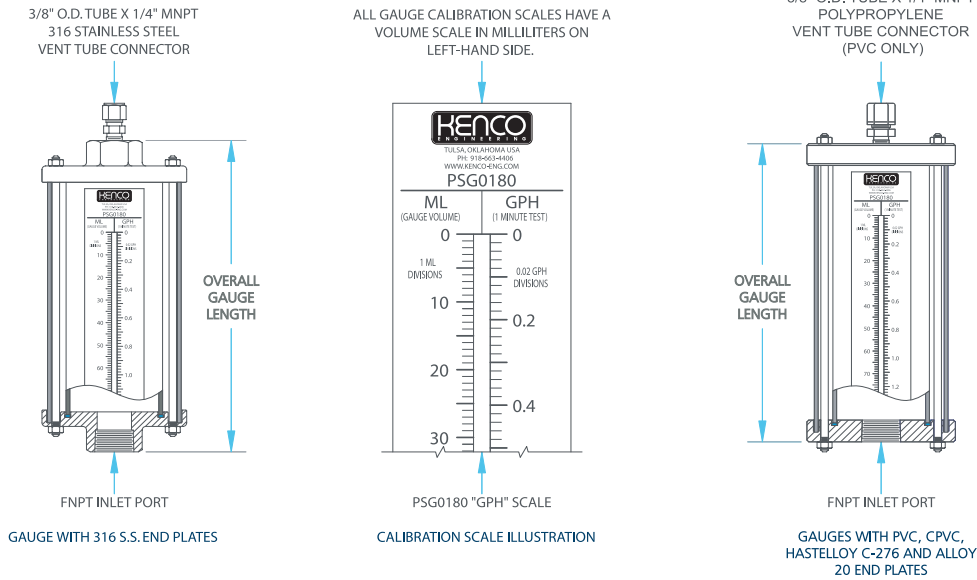
FEATURES:

- Precision borosilicate glass sight tubes with extremely tight inside diameter tolerance delivers highly accurate rate calibrations.
- Accu-Rate® Pump Setting Gauges will calibrate pump rates from 1.58 Gallons Per Hour (6 Liters Per Hour) to 45.6 Gallons Per Hour (172 Liters Per Hour).
- Clear polycarbonate shield for high impact resistance is standard.
- Five (5) scale options are available: U.S. Gallons By Volume (USG), Gallons Per Day (GPD), Gallons Per Hour (GPH), Liters Per Day (LPD) and Liters Per Hour (LPH). Volumetric scale in Milliliters (ML) is standard on all units.
- A 3/8" O.D. tube x 1/4" MNPT tubing connector is supplied on top of units with 316 Stainless Steel and PVC end plates. Connector is 316 Stainless Steel on units with 316 Stainless Steel end plates and Polypropylene on units with PVC end plates.
- Standard end plate materials are 316 Stainless Steel, Hastelloy C-276, Alloy 20, PVC and CPVC. Other materials are available upon request.
- Drain holes in lower end plate eliminate condensation.
- Redline tape can be applied to the glass tube for better visibility of clear liquids. The redline tape will magnify visibility in the portion of the glass tube that contains liquid.

COMMON APPLICATION:



Accu-Rate® PUMP SETTING GAUGE



Accu-Rate® PUMP SETTING GAUGE SPECIFICATIONS

GAUGE MODEL NUMBER	END PLATE MATERIAL	GAUGE VOLUME		MAXIMUM PUMPING RATE (BASED ON A 1 MINUTE TEST)				INLET PORT SIZE*	OVERALL GAUGE LENGTH	END PLATE O.D.
		ML	USG	GPH	GPD	LPH	LPD			
PSG0100	S	100	0.0264	1.58	38	6	144	1/2"	12-7/8"	2-7/8"
	P / CP / HC / A20								11-5/8"	3"
PSG0180	S	180	0.0476	2.84	68.5	10.8	258	1/2"	19-1/16"	2-7/8"
	P / CP / HC / A20								17-13/16"	3"
PSG0404	S	404	0.107	6.4	154	24.3	580	3/4"	19-1/16"	3-3/8"
	P / CP / HC / A20								17-13/16"	3-1/2"
PSG0720	S	720	0.19	11.4	274	43.2	1035	1"	19-1/16"	3-7/8"
	P / CP / HC / A20								17-13/16"	4"
PSG1620	S	1620	0.428	25.6	615	97	2330	1"	19-1/16"	4-7/8"
	P / CP / HC / A20								17-13/16"	5"
PSG2880	S	2880	0.76	45.6	1095	172	4140	1"	19-1/16"	5-7/8"
	P / CP / HC / A20								17-13/16"	6"

*Inlet port sizes and types shown are standard, but other sizes and types, such as flanged, are available upon request.

ORDERING SYSTEM

Accu-Rate® Pump Setting Gauge

REQUESTED BY: _____ COMPANY: _____
 ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____
 PHONE: _____ FAX: _____ EMAIL: _____

Gauge Model Number

PSG0100
PSG0180
PSG0404
PSG0720
PSG1620
PSG2880

* End Plate Material

S = 316 Stainless Steel
P = PVC
CP = CPVC
HC = Hastelloy C-276
A20 = Alloy 20
Other (Please specify above)

Gasket Material

A = Aflas
B = Buna-N
E = Ethylene Propylene
V = Fluorocarbon
T = PTFE Envelope w/
 Neoprene Filler
Other (please specify above)

Calibration Scale

USG = U.S. Gallons by Volume
GPH = Gallons Per Hour
GPD = Gallons Per Day
LPH = Liters Per Hour
LPD = Liters Per Day

- Example Order Number: PSG0180-S-V-GPH
- Please contact Kenco to request a quote for options not covered by gauge specifications shown above.
- For a Redline glass strip, add - RL to end of part number.
- * Gauges constructed with end plate material options CP, HC and A20 supplied without tube connector fitting.