

**Ashcroft® Gauges, General Information
Throttle Screw Orifice Size Selection for
Duragauge® Gauges Type 1279, 1379, 1377 &
Industrial Gauges Type 4½" & 6" 1009, 1010,
1017 & 1220**

PIP #: ASH-PI-7A

Applicable to:
1279, 1379, 1377 &
4½" & 6" 1009, 1010,
1017 & 1220 Gauges

Factors governing selection of orifice size:

- A. The greater the viscosity of the pressure media, the larger the orifice
- B. The greater the pulsation frequency, the smaller the orifice
- C. The greater the pressure, the smaller the orifice
- D. The shorter the pointer travel desired, the smaller the orifice (pulsating effect)
- E. The greater the volume of the Bourdon tube, the larger the orifice (the lower the pressure range, the greater the volume)

GENERAL RECOMMENDATION	
ORIFICE SIZE	SERVICE
.006	Gases
.0135	Water, fuel oil and other low viscosity fluids below 20 Centistokes
.020	Lubricating oils 20 to 300 Centistokes
.031	Fluids over 300 Centistokes
.040 .070	When specified

NOTE: If purchase order does not specify orifice, the .031 will be supplied.