

High-Pressure Instrumentation to 100,000 psi for Water Jet and Water Blaster Applications

WATER BLASTER

Water blaster applications use pressurized water, often mixed with an abrasive, to clean. These pressures range from 10,000 to 40,000 psi. Typical applications are:

- Heat exchanger cleaning
- Pipe cleaning
- Tank & pressure vessel cleaning
- Tank trucks
- Process line & reactor cleaning
- Surface preparation & profiling
- Refractory & rubber lining removal
- Scales, coatings & epoxy removal
- Vapor, polymer & resin lines cleaning
- Paint booth cleaning



WATER JET

In waterjet applications, high pressure water, sometimes mixed with an abrasive, is used to cut a variety of materials. Material may include:

- Metal cutting
- Concrete
- Stone
- Asphalt
- Glass
- Plastic

These applications present a unique set of challenges when it comes to measuring pressure. With high pressures to 100,000 psi and above, coupled with presence of vibration and pulsation, these applications demand rugged pressure instrumentation.



Ashcroft's line of high-pressure gauges and transducers provide customer options that meet the high-pressure requirements, both for water blasters and water jet applications, they can withstand vibration and pulsation and are backed by Ashcroft's quality and reliability.

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1379 Duragauge® High-Pressure Gauge

The Ashcroft® 1379 Duragauge® process gauge provides dependability, safety, and performance. Available in ranges up to 100,000 psi, these gauges can be liquid-filled or ordered with the **PLUS!**™ Performance option for dampening, vibration, shock and pulsation effects. They offer outstanding environmental corrosion resistance.



1379
Pressure Gauge

KEY BENEFITS

- 4½" or 6" dial for maximum readability
- Rugged aluminum case
- 0.5% ASME B40.100 full scale accuracy
- Weatherproof IP66 option
- Solid front case design for safety

SPECIFICATIONS

Dial Sizes:	4½", 6"
Accuracy:	±0.5% of span (ASME B40.100 Grade 2A)
Case Style:	Solid Front
Case Material:	Aluminum
Mounting Options:	Stem, surface

WETTED COMPONENTS

Bourdon tube	Process connection
Inconel® 718	316L SS

RANGES

50,000 psi, 80,000 psi, 100,000 psi

Units: psi, bar, kg/cm², kPa

For more information about this product visit:



High-Pressure Instrumentation to 100,000 psi for Water Jet and Water Blaster Applications

T6500 High-Pressure Stainless Steel Gauge

The Ashcroft® T6500 all stainless steel pressure gauge provides high reliability, versatility, and performance. Available in ranges up to 100,000 psi and 100mm (4") and 160mm (6") dial sizes, these gauges are a perfect fit for applications that require a solid front, stainless steel IP65 or IP66 enclosure.



T6500
Pressure Gauge

KEY BENEFITS

- Socket welded to the case for superior leak integrity
- Retrofit existing gauges with 100mm dial size (meets EN837-1)
- Solid front case design for safety
- Full pressure relief back for safety

SPECIFICATIONS

Dial Sizes:	100mm or 160mm
Accuracy:	Accuracy Class 1, 1% of span for ranges to 60,000 psi (EN837-1). 1.6% accuracy for ranges above 60,000 psi.
Case Style:	Solid Front
Case Material:	Stainless steel
Mounting Options:	Stem, surface

WETTED COMPONENTS

Bourdon tube	Process connection
Inconel® 718	316 SS

RANGES

25,000 psi, 30,000 psi, 60,000 psi, 80,000 psi and 100,000 psi

Units: psi, bar, kg/cm², kPa

For more information about this product visit:



High-Pressure Instrumentation to 100,000 psi for Water Jet and Water Blaster Applications

KM46 High-Pressure Transducer

The Ashcroft® KM46 high-pressure transducer is the perfect choice when the need to meet ultra-high pressure specifications is required. The transducer is light and compact with a titanium pressure sensor. It can measure pressure up to 72,000 psi while maintaining outstanding durability for demanding applications.



KM46
Pressure Transducer

KEY BENEFITS

- High pressure measuring capacity
- Broad temperature capability
- Up to IP69K Ingress rating

SPECIFICATIONS

Accuracy Class:	±1.00% of span* *Incl. nonlinearity, hysteresis, repeatability, zero-offset and final-offset
Non Linearity:	BFSL ±0.30% of span
Accuracy (TEB):	±2.0 % of span from -4°F to 185°F (-20°C to 85°C) Total Error Band Accuracy: includes the combined effects of non-linearity (Terminal Point Method), hysteresis, non-repeatability, temperature and zero offset and span setting errors
Stability:	≤ ±0.20% of span/year

WETTED COMPONENTS

Titanium

RANGES

30,000 psi, 36,000 psi, 60,000 psi, 72,000 psi

Units: psi, bar

Consult factory for other ranges

For more information about this product visit:

