

# Hi-Pro

*pressure products ltd*



## McDaniel Controls Pressure Gauges

from Hi-Pro Pressure Products

# Overview

When launched, McDaniel Controls all stainless steel pressure gauges set new standards in the Oil field, OEM, and Petro-chemical markets by offering a range of models that out perform the competition and yet were still economical. This was achieved by using the best possible material and by designing-in a higher level of accuracy.

McDaniel stainless steel gauges set new standards not only because of their accuracy but also because the all stainless steel models are capable of 300% overpressure without rupture of the Bourdon tube.

We have a wide range of models to suit most applications with face sizes from 1½” to 6” and pressures up to 60,000 psi.

Almost any style of mounting required can be accommodated, special luminescent dials are available as standard for easier reading in low light conditions, glycerin filled units are also available and subsea units are offered.

*Please see the following two pages for a description of the main features and benefits.*

# Features & Benefits (Page 1 of 2)

Feature	Benefit
All stainless steel construction and 316 grade stainless steel internals.	316 stainless steel increases general corrosion resistance, resistance to pitting from chloride ion solutions and provides increased strength at elevated temperatures. Corrosion resistance is particularly improved against sulfuric, hydrochloric, acetic, formic and tartaric acids and also alkaline chlorides.
Laminated safety glass lens.	Protects against Bourdon tube failure which can be dangerous with plastic lenses. Cannot easily be scratched
All stainless steel process gauges and 4½" MPB gauges have an accuracy ½ of 1%.	Greater accuracy than most of the competition, providing better results in use.
Our 316 SS Bourdon tubes have an over-pressure capability of 300%, <u>without</u> rupture.	This reduces failure due to operator or system error, increases safety and is twice the capability of most of the competition.

# Features & Benefits (Page 2 of 2)

Feature	Benefit
Field repairable, can be disassembled with just a screwdriver	Minimises downtime, minimises cost
Unique design to face seal.	Prevents leakage with glycerine filled units which is a common problem with many competitive products

# Applications

We have gauges available for:

- Demanding applications where durability, accuracy and safety are needed (e.g. Petro-chemical and Power industries)
- O.E.M. applications
- Corrosive applications
- Commercial ammonia refrigeration applications
- Subsea environments where dependability and performance are required