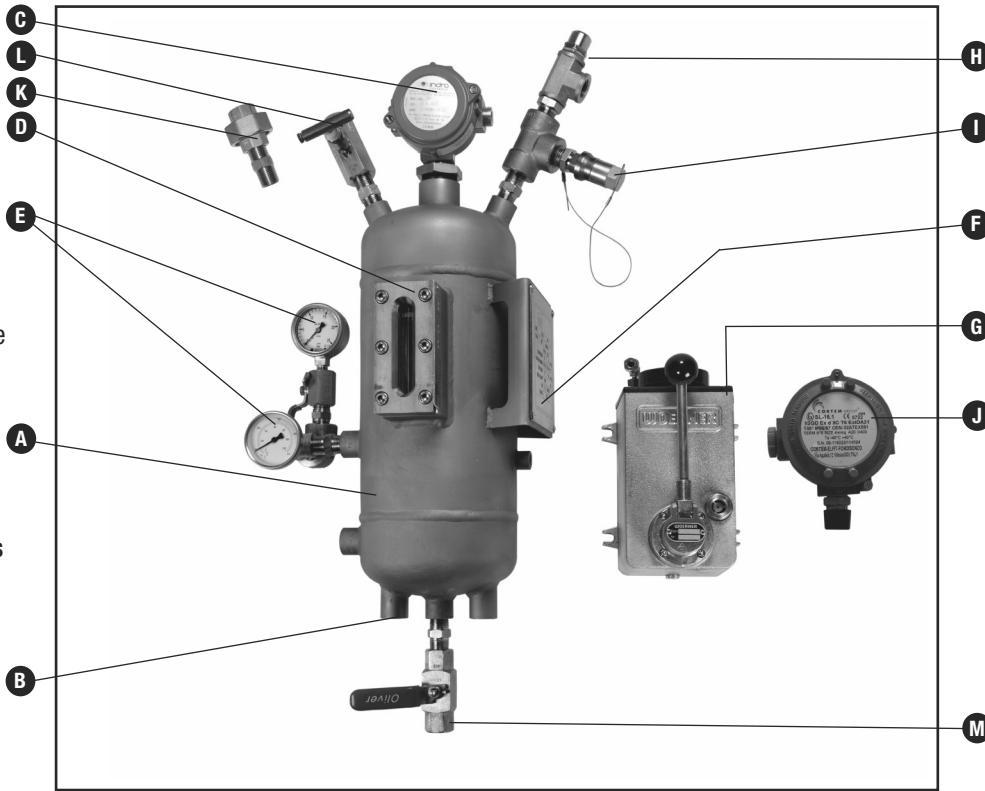


- A – Reservoir
  - B – Internal Cooling Coil (GR-2C)
  - C – Level Switch
  - D – Weld Pad Level Gauge
  - E – Pressure/ Temperature Assembly
  - F – Name Plate
  - G – Hand Pump
  - H – Safety Relief Valve
  - I – Quick Connector
  - J – Pressure Switch
  - K – Orifice Union
  - L – Nitrogen Isolation Valve
  - M – Drain Valve
- Non Stocked Options**
- Fin Tube Air Cooler (not shown)
  - Support Stand (not shown)
  - Circulation Pump (not shown)
  - 3in1 Wireless Monitoring Device (not shown)



NOTE: Hand pump and pressure switch are panel mounted. Panel is not shown. Instrument mounting varies depending on the option selected.

### Design Features/Benefits

These general industry reservoirs provide buffer/barrier fluid to a dual seal arrangement. Key features:

- 316/L stainless steel pressure reservoir without internal cooling coil (GR-2) or with internal cooling coil (GR-2C)
- Design pressure: 30 bar g (435 psig), @100°C (212°F)
- Minimum design temperature: -10°C (14°F)
- Sight level gauge
- 1/2" NPT reservoir terminations
- Reservoir capacity: 7.7 litre (2 US gallons)
- CE mark in accordance with Pressure Equipment Directive (PED) 97/23/CE provided to countries within the European Community
- Welding in accordance with ASME VIII (welders qualified to ASME IX)
- Many options available including:
  - Nitrogen isolation valve (for pressurized seals)
  - Orifice union (for unpressurized seals)

### Option Variants

- Pressure gauge ranges
- Compatibility with variable barrier/buffer fluid types
- Electrical instruments suitable for:
  - Exci circuits or Eexd (ATEX)
  - Explosion proof (UL/CSA)

### Materials of Construction

- Reservoir: 316/L stainless steel
- Level gauge: weld pad, carbon steel cover, stainless steel wetted parts
- Tube and fittings: 316/L stainless steel
- Cooling coil: 316/L stainless steel (GR-2C only)

### Applications

- Automotive
- Pharmaceutical
- Chemical processing
- Pulp and paper
- Power generation
- Water treatment

### Option Codes

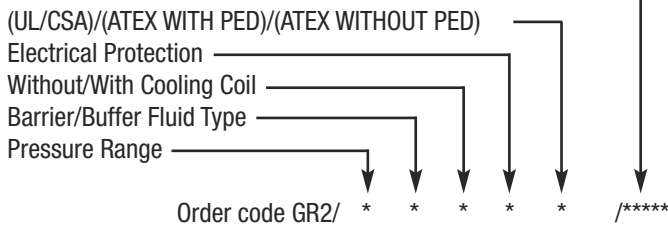
PRESSURE RANGE			
Working Pressure	Pressure Gauge Range	Pressure Switch Range	Code
0-6 bar g (0-100 psig)	0-10 bar g (0-150 psig)	0-6 bar g/0-100 psig	A
6-20 bar g (100-300 psig) max	0-25 bar g (0-360 psig)	6-20 bar g/100-300 psig	B

BARRIER/BUFFER FLUID TYPE		COOLING COIL	
	Code		Code
Mineral Oil – Max viscosity 20cst	M	Without Cooling Coil	N
Water – Water/Glycol & Ethylene/Glycol	W	With Cooling Coil	C
Barrier/Buffer Fluid to be specified	X		

ELECTRICAL ENVIRONMENT TYPE			
Electrical Protection	Code	Electrical Certification	Code
Explosion Proof – switches Eexd, circulating pump Eexe	F	UL/CSA	U
Eexi – for intrinsically safe circuits (ATEX only)	I	ATEX WITH PED	A
Not Applicable – no electrical equipment on system	N	ATEX WITHOUT PED	S

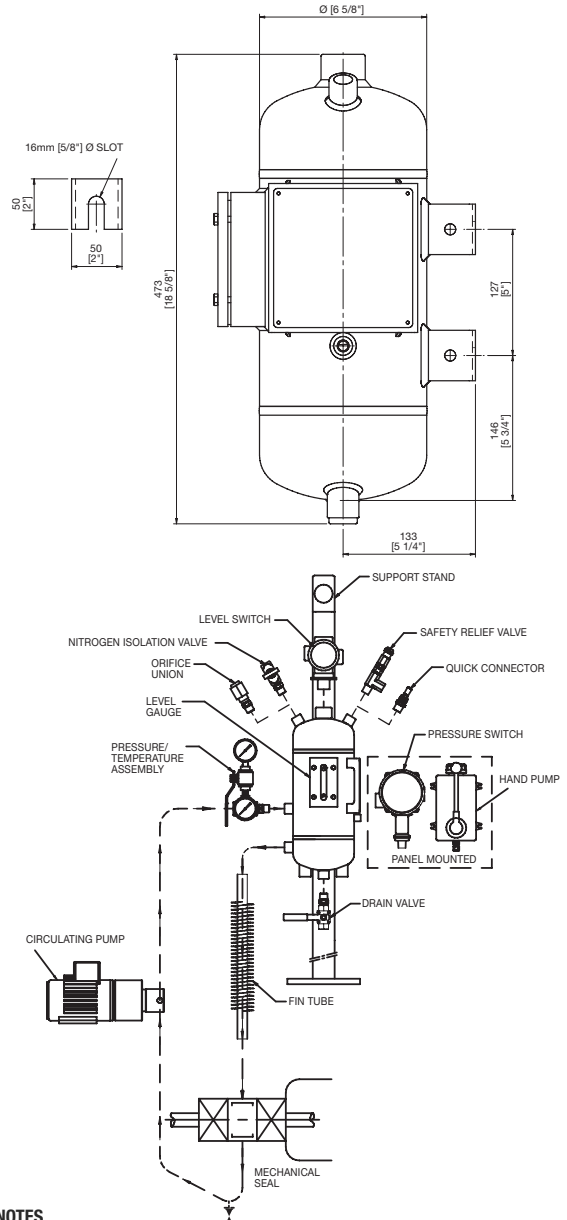
EQUIPMENT OPTIONS	
Level Gauge (included)	
Pressure/Temperature Gauge Instrument Assembly	****1
Hand Pump Refilling Unit	****2
Low Level Switch	****4
Safety Relief Valve 11-25 bar g (165-300 psig) Default set point 13 bar g (200 psig)	****8
Circulation Pump (non stocked option)	***16
Pressure Gauge – Range follows pressure range selection	***32
Fin Tube Air Cooler (non stocked option)	***64
Support Stand (non stocked option)	**128
Nitrogen Isolation Valve (pressurized seals)	**256
Orifice Union (unpressurized seals)	**512
Pressure Switch	*1024
Quick Connector	*2048
Drain Valve	*4096
3 in 1 Wireless pressure/temperature/level device (non stocked option) See Note 3	*8192

To specify equipment options add together each component code for the items to give a total figure. The total preceded by any spare spaces making up the 5 digits, should be inserted in the options section of the order code eg. /\*1168



### GR2 Series Typical Arrangement

NOTE: Instrument mounting is indicative only and may vary depending on the options selected



- NOTES
1. Electrical connection is M20 (ATEX) or 3/4" NPT (UL/CSA)
  2. Barrier/buffer fluid supply and return connections will be shipped with plastic plugs. All other connections will have metallic plugs
  3. 3in1 first installation requires installation of wireless network



**North America**  
United States of America  
Tel: 1-847-967-2400  
Fax: 1-847-967-3915

**Europe**  
United Kingdom  
Tel: 44-1753-224000  
Fax: 44-1753-224224

**Latin America**  
Brazil  
Tel: 55-11-3371-2500  
Fax: 55-11-3371-2599

**Middle East & Africa**  
United Arab Emirates  
Tel: 971-481-27800  
Fax: 971-488-62830

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Singapore  
Tel: 65-6518-1800  
Fax: 65-6518-1803

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