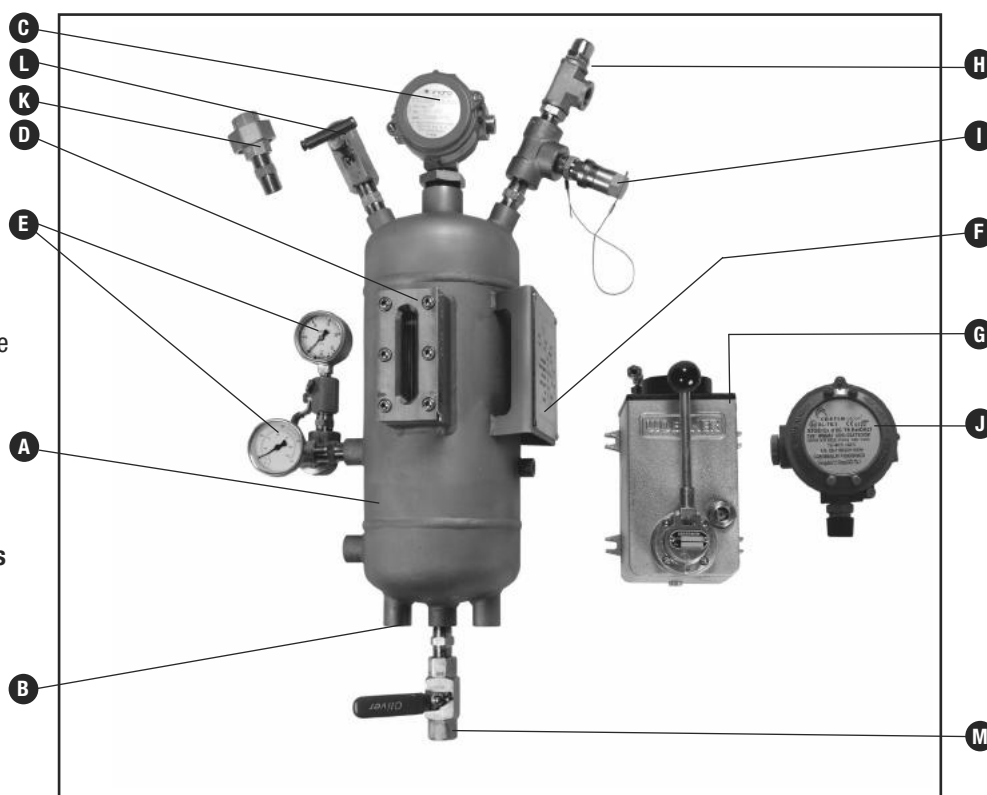


- A – Reservoir
- B – Internal Cooling Coil (GR-2C)
- C – Level Switch
- D – Weld Pad Level Gauge
- E – Pressure/Temperature Assembly
- F – Name Plate
- G – Hand Pump
- H – Safety Relief Valve
- I – Quick Connector
- J – Pressure Switch
- K – Orifice Union
- L – Nitrogen Isolation Valve
- M – Drain Valve

**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:
  - Eexi 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
- Chemical processing
- Power generation
- Pharmaceutical
- Pulp and paper
- 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

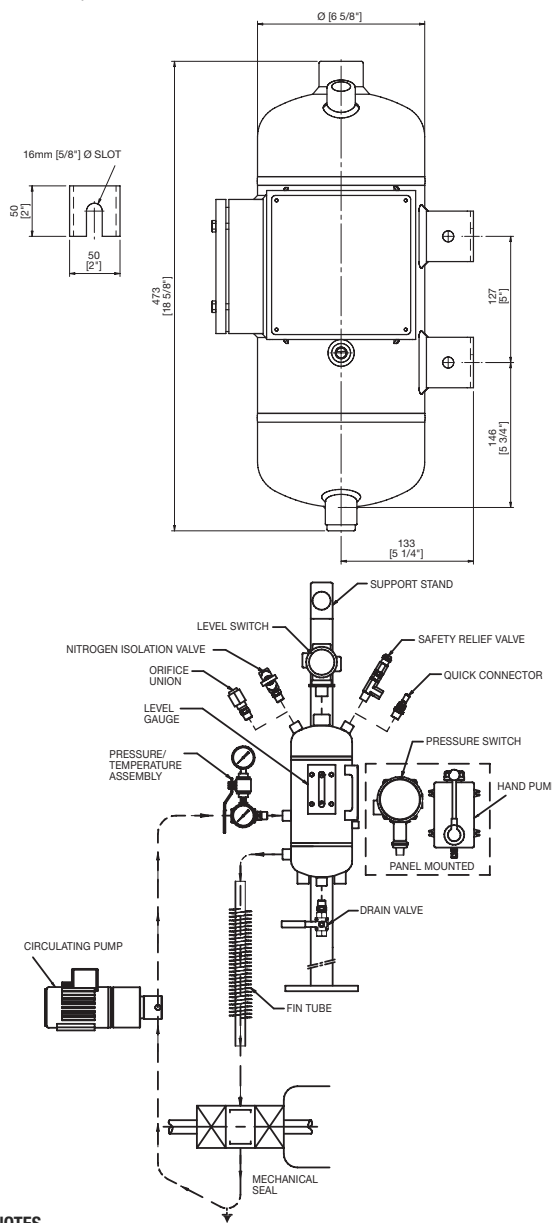
To specify equipment options add together each component code for the items to give a total figure. The total preceded by any spare spaces making up the 5 digits, should be inserted in the options section of the order code eg. /\*1168

(UL/CSA)/(ATEX WITH PED)/(ATEX WITHOUT PED)  
 Electrical Protection  
 Without/With Cooling Coil  
 Barrier/Buffer Fluid Type  
 Pressure Range

Order code GR2/ \* \* \* \* \*

### 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



92, Lot Mauritania - Zone Industrielle Bernoussi  
Casablanca MAROC 20590



www.marocsealing.com



marocsealing@marocsealing.com



(+212) 05 22 35 41 49/50



(+212) 05 22 35 41 52



+212 6 62 14 80 39



**Maroc Sealing**  
FLUID CONTROL