

PRESSURE AND FLOW



938

CEJN
940 Series High Pressure
Glycerine Filled Gauges



939

WIKA
Dry Pressure Gauges



940

WIKA
Liquid Filled Stainless
Steel Pressure Gauges



941

PARKAIR
Dry Pressure Gauges –
Dual Scale



942

PARKAIR
Dry Vacuum Gauges

New
Additions



943

PARKAIR
Stainless Steel Glycerine
Filled Pressure Gauges –
Dual Scale & Accessories



944

RHODES
Sight Flow Indicators



945

PARKAIR
Sight Flow Indicator
Accessories

PRESSURE AND FLOW



947

PVL
Pressure Switches



948

PVL
Pressure & Temperature
Switches



949

PVL
Vacuum Switches



949

PVL
Paddle Flow Switches



950

PVL
Level Switches



950

PVL
Float Valves



951

PVL
Stainless Steel
Level Switches

FEATURES

- Glycerine filled for improved performance
- Bottom and panel mounted available
- Units measured in bar and psi
- Ø 100 and 150 mm manufactured in accordance with EN 837-1

SPECIFICATIONS

| | |
|----------------------------|-----------------------------------------------------------------------|
| Max. rec. working pressure | 75% of full scale range |
| Protection | IP 65 |
| Accuracy | Ø 63 mm ± 1.6% of full scale Ø 100 and 150 mm 0 – 1% of full scale |
| Temperature range | +15°C to +65°C (+59°F to +149°F) |

MATERIALS

| | |
|-----------|---------------------------------------|
| Body | Stainless steel AISI 316 and AISI 304 |
| Dial face | Black and red graduations |
| Pointer | Aluminium |
| Gasket | Polychloroprene |
| Window | Plexiglass |



PANEL MOUNTING



CEJN SERIES 940
63 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|---------|
| C199402320 | 1/4" BSP | 1000 bar / 14500 psi | £111.54 |
| C199402321 | 1/4" NPT | 1000 bar / 14500 psi | £111.54 |

BOTTOM CONNECTION



CEJN SERIES 940
63 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|--------|
| C199402120 | 1/4" BSP | 1000 bar / 14500 psi | £90.40 |
| C199402121 | 1/4" NPT | 1000 bar / 14500 psi | £90.40 |



CEJN SERIES 940
100 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|---------|
| C199403320 | 1/2" BSP | 1000 bar / 14500 psi | £193.69 |
| C199403321 | 1/2" BSP | 1600 bar / 23200 psi | £203.86 |
| C199403322 | 1/2" BSP | 2000 bar / 29000 psi | £211.37 |



CEJN SERIES 940
100 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|---------|
| C199403120 | 1/2" BSP | 1000 bar / 14500 psi | £182.48 |
| C199403140 | 1/2" NPT | 1000 bar / 14500 psi | £182.48 |
| C199403121 | 1/2" BSP | 1600 bar / 23200 psi | £182.48 |
| C199403122 | 1/2" BSP | 2000 bar / 29000 psi | £185.63 |



CEJN SERIES 940
150 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|---------|
| C199404320 | 1/2" BSP | 1000 bar / 14500 psi | £252.33 |
| C199404321 | 1/2" BSP | 1600 bar / 23200 psi | £252.33 |
| C199404322 | 1/2" BSP | 2000 bar / 29000 psi | £252.33 |



CEJN SERIES 940
150 MM GAUGE DIAMETER

170

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|----------|----------------------|---------|
| C199404120 | 1/2" BSP | 1000 bar / 14500 psi | £228.73 |
| C199404121 | 1/2" BSP | 1600 bar / 23200 psi | £228.73 |
| C199404122 | 1/2" BSP | 2000 bar / 29000 psi | £228.73 |

If calibration certificates are needed, please ask at time of ordering

Delivery times to be advised

SUITABILITY

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Pneumatics
- Heating and air conditioning technology
- Medical engineering

SPECIFICATIONS

| | |
|---------------------|---------------------------------------------|
| Accuracy class | 2.5 |
| Ambient temperature | -40°C to +60°C (-40°F to +140°F) |
| MATERIALS | |
| Case | Black ABS plastic |
| Dial | White plastic, with pointer stop pin |
| Window | Plastic, crystal clear, snap-fitted in case |

CENTRE BACK CONNECTION



ABS CASE, DRY
40 MM GAUGE DIAMETER

4602

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|--------------------|-----------|----------------|--------|
| WG111.12.40.1CBM | 1/8" BSPT | 0 – 1 bar | £22.40 |
| WG111.12.40.2.5CBM | 1/8" BSPT | 0 – 2.5 bar | £22.40 |
| WG111.12.40.4CBM | 1/8" BSPT | 0 – 4 bar | £22.40 |
| WG111.12.40.6CBM | 1/8" BSPT | 0 – 6 bar | £22.40 |
| WG111.12.40.10CBM | 1/8" BSPT | 0 – 10 bar | £22.40 |
| WG111.12.40.16CBM | 1/8" BSPT | 0 – 16 bar | £22.40 |
| WG111.12.40.25CBM | 1/8" BSPT | 0 – 25 bar | £22.40 |

BOTTOM CONNECTION



ABS CASE, DRY
50 MM GAUGE DIAMETER

4602

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------------|-----------|----------------|--------|
| WG111.10.50.4LM | 1/8" BSPP | 0 – 4 bar | £26.28 |
| WG111.10.50.7LM | 1/8" BSPP | 0 – 7 bar | £26.28 |
| WG111.10.50.11LM | 1/8" BSPP | 0 – 11 bar | £26.28 |
| WG111.10.50.14LM | 1/8" BSPP | 0 – 14 bar | £26.28 |
| WG111.10.50.20LM | 1/8" BSPP | 0 – 20 bar | £26.28 |
| WG111.10.50.40LM | 1/8" BSPP | 0 – 40 bar | £26.28 |
| WG111.10.50.70LM | 1/8" BSPP | 0 – 70 bar | £26.28 |
| WG111.10.50.200LM | 1/8" BSPP | 0 – 200 bar | £26.28 |



FLUSH PANEL MOUNT, BLACK
STEEL CASE, DRY
63 MM GAUGE DIAMETER

4602

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------------|-----------|----------------|--------|
| WG111.12.63.1CBM | 1/4" BSPP | 0 – 1 bar | £41.60 |
| WG111.12.63.2CBM | 1/4" BSPP | 0 – 2 bar | £41.60 |
| WG111.12.63.4CBM | 1/4" BSPP | 0 – 4 bar | £41.60 |
| WG111.12.63.7CBM | 1/4" BSPP | 0 – 7 bar | £41.60 |
| WG111.12.63.10CBM | 1/4" BSPP | 0 – 10 bar | £41.60 |
| WG111.12.63.14CBM | 1/4" BSPP | 0 – 14 bar | £41.60 |
| WG111.12.63.20CBM | 1/4" BSPP | 0 – 20 bar | £41.60 |
| WG111.12.63.28CBM | 1/4" BSPP | 0 – 28 bar | £41.60 |
| WG111.12.63.40CBM | 1/4" BSPP | 0 – 40 bar | £41.60 |



ABS CASE, DRY
63 MM GAUGE DIAMETER

4602

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------------|-----------|----------------|--------|
| WG111.10.63.1LM | 1/4" BSPP | 0 – 1 bar | £30.08 |
| WG111.10.63.2LM | 1/4" BSPP | 0 – 2 bar | £30.08 |
| WG111.10.63.4LM | 1/4" BSPP | 0 – 4 bar | £30.08 |
| WG111.10.63.7LM | 1/4" BSPP | 0 – 7 bar | £30.08 |
| WG111.10.63.11LM | 1/4" BSPP | 0 – 11 bar | £30.08 |
| WG111.10.63.14LM | 1/4" BSPP | 0 – 14 bar | £30.08 |
| WG111.10.63.20LM | 1/4" BSPP | 0 – 20 bar | £30.08 |
| WG111.10.63.28LM | 1/4" BSPP | 0 – 28 bar | £30.08 |
| WG111.10.63.40LM | 1/4" BSPP | 0 – 40 bar | £30.08 |
| WG111.10.63.70LM | 1/4" BSPP | 0 – 70 bar | £30.08 |
| WG111.10.63.140LM | 1/4" BSPP | 0 – 140 bar | £30.08 |
| WG111.10.63.400LM | 1/4" BSPP | 0 – 400 bar | £30.08 |

You may also need ...

Master Pneumatics air preparation products



... on pages 116 – 144, section 3

Dual scale gauges
also available

Please contact
your distributor for
further information

SUITABILITY

- For measuring points with high dynamic pressure loads or vibrations
- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Hydraulics
- Compressors, ship building

| SPECIFICATIONS | 63 mm DIA | 100 mm DIA |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Accuracy class | 1.6 | 1 |
| Ambient temperature | -20°C to +60°C (-4°F to +140°F) | |
| MATERIALS | | |
| Case | Natural finish stainless steel with pressure relief at case circumference, 12 o'clock O-ring seal between case and connection | |
| Dial | White ABS plastic with pointer stop pin | White aluminium, black lettering |
| Window | Plastic, crystal clear | |
| Pointer | Black plastic | Black aluminium |
| Bottom Connection | Brass | Brass |

CENTRE BACK CONNECTION



4602

HEAVY DUTY, LIQUID FILLED 63 MM GAUGE DIAMETER

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|--------------------|-----------|----------------|--------|
| WG213.53.63.4CBM | 1/4" BSPP | 0 – 4 bar | £41.84 |
| WG213.53.63.6CBM | 1/4" BSPP | 0 – 6 bar | £41.84 |
| WG213.53.63.10CBM | 1/4" BSPP | 0 – 10 bar | £41.84 |
| WG213.53.63.16CBM | 1/4" BSPP | 0 – 16 bar | £41.84 |
| WG213.53.63.25CBM | 1/4" BSPP | 0 – 25 bar | £41.84 |
| WG213.53.63.40CBM | 1/4" BSPP | 0 – 40 bar | £41.84 |
| WG213.53.63.60CBM | 1/4" BSPP | 0 – 60 bar | £46.92 |
| WG213.53.63.100CBM | 1/4" BSPP | 0 – 100 bar | £46.92 |
| WG213.53.63.160CBM | 1/4" BSPP | 0 – 160 bar | £46.92 |
| WG213.53.63.250CBM | 1/4" BSPP | 0 – 250 bar | £46.92 |
| WG213.53.63.400CBM | 1/4" BSPP | 0 – 400 bar | £46.92 |
| WG213.53.63.600CBM | 1/4" BSPP | 0 – 600 bar | £46.92 |

BOTTOM CONNECTION



4602

HEAVY DUTY, LIQUID FILLED 63 MM GAUGE DIAMETER

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------------|-----------|----------------|--------|
| WG213.53.63.4LM | 1/4" BSPP | 0 – 4 bar | £36.12 |
| WG213.53.63.6LM | 1/4" BSPP | 0 – 6 bar | £36.12 |
| WG213.53.63.10LM | 1/4" BSPP | 0 – 10 bar | £36.12 |
| WG213.53.63.16LM | 1/4" BSPP | 0 – 16 bar | £36.12 |
| WG213.53.63.25LM | 1/4" BSPP | 0 – 25 bar | £36.12 |
| WG213.53.63.40LM | 1/4" BSPP | 0 – 40 bar | £36.12 |
| WG213.53.63.60LM | 1/4" BSPP | 0 – 60 bar | £40.48 |
| WG213.53.63.100LM | 1/4" BSPP | 0 – 100 bar | £40.48 |
| WG213.53.63.160LM | 1/4" BSPP | 0 – 160 bar | £40.48 |
| WG213.53.63.250LM | 1/4" BSPP | 0 – 250 bar | £40.48 |
| WG213.53.63.400LM | 1/4" BSPP | 0 – 400 bar | £40.48 |
| WG213.53.63.600LM | 1/4" BSPP | 0 – 600 bar | £40.48 |

100 MM GAUGE DIAMETER

| | | | |
|---------------------|-----------|-------------|---------|
| WG213.53.100.4CBM | 3/8" BSPP | 0 – 4 bar | £182.84 |
| WG213.53.100.6CBM | 3/8" BSPP | 0 – 6 bar | £188.44 |
| WG213.53.100.10CBM | 3/8" BSPP | 0 – 10 bar | £188.44 |
| WG213.53.100.16CBM | 3/8" BSPP | 0 – 16 bar | £182.84 |
| WG213.53.100.40CBM | 3/8" BSPP | 0 – 40 bar | £182.84 |
| WG213.53.100.100CBM | 1/2" BSPP | 0 – 100 bar | £213.18 |
| WG213.53.100.160CBM | 1/2" BSPP | 0 – 160 bar | £213.18 |
| WG213.53.100.250CBM | 1/2" BSPP | 0 – 250 bar | £213.18 |
| WG213.53.100.400CBM | 1/2" BSPP | 0 – 400 bar | £219.76 |
| WG213.53.100.600CBM | 1/2" BSPP | 0 – 600 bar | £213.18 |

100 MM GAUGE DIAMETER

| | | | |
|--------------------|-----------|-------------|---------|
| WG213.53.100.4LM | 3/8" BSPP | 0 – 4 bar | £162.20 |
| WG213.53.100.6LM | 3/8" BSPP | 0 – 6 bar | £162.20 |
| WG213.53.100.10LM | 3/8" BSPP | 0 – 10 bar | £162.20 |
| WG213.53.100.16LM | 3/8" BSPP | 0 – 16 bar | £162.20 |
| WG213.53.100.40LM | 3/8" BSPP | 0 – 40 bar | £162.20 |
| WG213.53.100.100LM | 1/2" BSPP | 0 – 100 bar | £193.56 |
| WG213.53.100.160LM | 1/2" BSPP | 0 – 160 bar | £193.56 |
| WG213.53.100.250LM | 1/2" BSPP | 0 – 250 bar | £187.78 |
| WG213.53.100.400LM | 1/2" BSPP | 0 – 400 bar | £193.56 |
| WG213.53.100.600LM | 1/2" BSPP | 0 – 600 bar | £193.56 |

If calibration certificates are needed, please ask at time of ordering

Delivery times to be advised

ACCESSORIES



4602

FIXING CLAMPS

| PART NUMBER | FOR USE WITH | PRICE |
|---------------|-----------------------|--------|
| WGFIXCLAMP63 | 63 mm gauge diameter | £8.68 |
| WGFIXCLAMP100 | 100 mm gauge diameter | £10.00 |

CENTRE BACK CONNECTION



4600

STEEL CASE, DRY GAUGES
40 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|--------------------------|--------|
| Y001540B2D | 1/8" BSPT | 0 – 1 bar / 0 – 15 psi | £10.97 |
| Y003040B2D | 1/8" BSPT | 0 – 2 bar / 0 – 30 psi | £10.97 |
| Y006040B2D | 1/8" BSPT | 0 – 4 bar / 0 – 60 psi | £10.45 |
| Y010040B2D | 1/8" BSPT | 0 – 6 bar / 0 – 100 psi | £10.45 |
| Y016040B2D | 1/8" BSPT | 0 – 10 bar / 0 – 160 psi | £10.45 |
| Y020040B2D | 1/8" BSPT | 0 – 14 bar / 0 – 200 psi | £10.45 |
| Y030040B2D | 1/8" BSPT | 0 – 20 bar / 0 – 300 psi | £10.45 |

50 MM GAUGE DIAMETER

| | | | |
|------------|-----------|--------------------------|--------|
| Y001550B2D | 1/8" BSPT | 0 – 1 bar / 0 – 15 psi | £13.81 |
| Y003050B2D | 1/8" BSPT | 0 – 2 bar / 0 – 30 psi | £13.81 |
| Y006050B2D | 1/8" BSPT | 0 – 4 bar / 0 – 60 psi | £12.76 |
| Y010050B2D | 1/8" BSPT | 0 – 6 bar / 0 – 100 psi | £12.76 |
| Y016050B2D | 1/8" BSPT | 0 – 10 bar / 0 – 160 psi | £12.76 |
| Y020050B2D | 1/8" BSPT | 0 – 14 bar / 0 – 200 psi | £12.76 |
| Y030050B2D | 1/8" BSPT | 0 – 20 bar / 0 – 300 psi | £12.76 |
| Y001550B4D | 1/4" BSPT | 0 – 1 bar / 0 – 15 psi | £12.91 |
| Y003050B4D | 1/4" BSPT | 0 – 2 bar / 0 – 30 psi | £12.91 |
| Y006050B4D | 1/4" BSPT | 0 – 4 bar / 0 – 60 psi | £12.76 |
| Y010050B4D | 1/4" BSPT | 0 – 6 bar / 0 – 100 psi | £12.76 |
| Y016050B4D | 1/4" BSPT | 0 – 10 bar / 0 – 160 psi | £12.76 |
| Y020050B4D | 1/4" BSPT | 0 – 14 bar / 0 – 200 psi | £12.76 |
| Y030050B4D | 1/4" BSPT | 0 – 20 bar / 0 – 300 psi | £12.76 |

63 MM GAUGE DIAMETER

| | | | |
|------------|-----------|--------------------------|--------|
| Y001563B4D | 1/4" BSPT | 0 – 1 bar / 0 – 15 psi | £20.00 |
| Y003063B4D | 1/4" BSPT | 0 – 2 bar / 0 – 30 psi | £20.00 |
| Y006063B4D | 1/4" BSPT | 0 – 4 bar / 0 – 60 psi | £19.55 |
| Y010063B4D | 1/4" BSPT | 0 – 6 bar / 0 – 100 psi | £19.55 |
| Y016063B4D | 1/4" BSPT | 0 – 10 bar / 0 – 160 psi | £18.02 |
| Y020063B4D | 1/4" BSPT | 0 – 14 bar / 0 – 200 psi | £19.55 |
| Y030063B4D | 1/4" BSPT | 0 – 20 bar / 0 – 300 psi | £19.55 |

100 MM GAUGE DIAMETER

| | | | |
|-------------|-----------|--------------------------|--------|
| Y0015100B6D | 3/8" BSPT | 0 – 1 bar / 0 – 15 psi | £35.15 |
| Y0030100B6D | 3/8" BSPT | 0 – 2 bar / 0 – 30 psi | £35.15 |
| Y0060100B6D | 3/8" BSPT | 0 – 4 bar / 0 – 60 psi | £34.63 |
| Y0100100B6D | 3/8" BSPT | 0 – 6 bar / 0 – 100 psi | £34.63 |
| Y0160100B6D | 3/8" BSPT | 0 – 10 bar / 0 – 160 psi | £34.63 |
| Y0200100B6D | 3/8" BSPT | 0 – 14 bar / 0 – 200 psi | £34.63 |
| Y0300100B6D | 3/8" BSPT | 0 – 20 bar / 0 – 300 psi | £34.63 |

BOTTOM CONNECTION



4600

STEEL CASE, DRY GAUGES
40 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|--------------------------|--------|
| Y001540A2D | 1/8" BSPT | 0 – 1 bar / 0 – 15 psi | £10.37 |
| Y003040A2D | 1/8" BSPT | 0 – 2 bar / 0 – 30 psi | £10.37 |
| Y006040A2D | 1/8" BSPT | 0 – 4 bar / 0 – 60 psi | £9.55 |
| Y010040A2D | 1/8" BSPT | 0 – 6 bar / 0 – 100 psi | £9.55 |
| Y016040A2D | 1/8" BSPT | 0 – 10 bar / 0 – 160 psi | £9.55 |
| Y020040A2D | 1/8" BSPT | 0 – 14 bar / 0 – 200 psi | £9.55 |
| Y030040A2D | 1/8" BSPT | 0 – 20 bar / 0 – 300 psi | £9.55 |

50 MM GAUGE DIAMETER

| | | | |
|------------|-----------|--------------------------|--------|
| Y001550A2D | 1/8" BSPT | 0 – 1 bar / 0 – 15 psi | £12.02 |
| Y003050A2D | 1/8" BSPT | 0 – 2 bar / 0 – 30 psi | £12.02 |
| Y006050A2D | 1/8" BSPT | 0 – 4 bar / 0 – 60 psi | £11.34 |
| Y010050A2D | 1/8" BSPT | 0 – 6 bar / 0 – 100 psi | £11.34 |
| Y016050A2D | 1/8" BSPT | 0 – 10 bar / 0 – 160 psi | £11.34 |
| Y020050A2D | 1/8" BSPT | 0 – 14 bar / 0 – 200 psi | £11.34 |
| Y030050A2D | 1/8" BSPT | 0 – 20 bar / 0 – 300 psi | £11.34 |
| Y001550A4D | 1/4" BSPT | 0 – 1 bar / 0 – 15 psi | £12.02 |
| Y003050A4D | 1/4" BSPT | 0 – 2 bar / 0 – 30 psi | £12.02 |
| Y006050A4D | 1/4" BSPT | 0 – 4 bar / 0 – 60 psi | £11.34 |
| Y010050A4D | 1/4" BSPT | 0 – 6 bar / 0 – 100 psi | £11.34 |
| Y016050A4D | 1/4" BSPT | 0 – 10 bar / 0 – 160 psi | £11.34 |
| Y020050A4D | 1/4" BSPT | 0 – 14 bar / 0 – 200 psi | £11.34 |
| Y030050A4D | 1/4" BSPT | 0 – 20 bar / 0 – 300 psi | £11.34 |

63 MM GAUGE DIAMETER

| | | | |
|------------|-----------|--------------------------|--------|
| Y001563A4D | 1/4" BSPT | 0 – 1 bar / 0 – 15 psi | £18.21 |
| Y003063A4D | 1/4" BSPT | 0 – 2 bar / 0 – 30 psi | £18.21 |
| Y006063A4D | 1/4" BSPT | 0 – 4 bar / 0 – 60 psi | £17.91 |
| Y010063A4D | 1/4" BSPT | 0 – 6 bar / 0 – 100 psi | £18.02 |
| Y016063A4D | 1/4" BSPT | 0 – 10 bar / 0 – 160 psi | £18.02 |
| Y020063A4D | 1/4" BSPT | 0 – 14 bar / 0 – 200 psi | £18.02 |
| Y030063A4D | 1/4" BSPT | 0 – 20 bar / 0 – 300 psi | £17.91 |

100 MM GAUGE DIAMETER

| | | | |
|-------------|-----------|--------------------------|--------|
| Y0015100A6D | 3/8" BSPT | 0 – 1 bar / 0 – 15 psi | £31.87 |
| Y0030100A6D | 3/8" BSPT | 0 – 2 bar / 0 – 30 psi | £31.87 |
| Y0060100A6D | 3/8" BSPT | 0 – 4 bar / 0 – 60 psi | £31.42 |
| Y0100100A6D | 3/8" BSPT | 0 – 6 bar / 0 – 100 psi | £31.42 |
| Y0160100A6D | 3/8" BSPT | 0 – 10 bar / 0 – 160 psi | £31.42 |
| Y0200100A6D | 3/8" BSPT | 0 – 14 bar / 0 – 200 psi | £31.42 |
| Y0300100A6D | 3/8" BSPT | 0 – 20 bar / 0 – 300 psi | £31.42 |

DRY PRESSURE GAUGES – DUAL SCALE

PANEL MOUNT GAUGES – CENTRE BACK CONNECTION



4600

STEEL CASE, DRY GAUGES
40 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|--------------------------|--------|
| Y001540P2D | 1/8" BSPT | 0 – 1 bar / 0 – 15 psi | £14.03 |
| Y003040P2D | 1/8" BSPT | 0 – 2 bar / 0 – 30 psi | £14.03 |
| Y006040P2D | 1/8" BSPT | 0 – 4 bar / 0 – 60 psi | £13.81 |
| Y010040P2D | 1/8" BSPT | 0 – 6 bar / 0 – 100 psi | £13.81 |
| Y016040P2D | 1/8" BSPT | 0 – 10 bar / 0 – 160 psi | £13.81 |
| Y020040P2D | 1/8" BSPT | 0 – 14 bar / 0 – 200 psi | £13.81 |
| Y030040P2D | 1/8" BSPT | 0 – 20 bar / 0 – 300 psi | £13.81 |

Supplied with bracket



4600

STEEL CASE, DRY GAUGES
50 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|--------------------------|--------|
| Y001550P4D | 1/4" BSPT | 0 – 1 bar / 0 – 15 psi | £16.87 |
| Y003050P4D | 1/4" BSPT | 0 – 2 bar / 0 – 30 psi | £16.87 |
| Y006050P4D | 1/4" BSPT | 0 – 4 bar / 0 – 60 psi | £16.72 |
| Y010050P4D | 1/4" BSPT | 0 – 6 bar / 0 – 100 psi | £16.72 |
| Y016050P4D | 1/4" BSPT | 0 – 10 bar / 0 – 160 psi | £16.72 |
| Y020050P4D | 1/4" BSPT | 0 – 14 bar / 0 – 200 psi | £16.72 |
| Y030050P4D | 1/4" BSPT | 0 – 20 bar / 0 – 300 psi | £16.72 |

Supplied with bracket

DRY VACUUM GAUGES

CENTRE BACK CONNECTION



4600

DRY VACUUM GAUGES
40 MM GAUGE DIAMETER

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------|-----------|-------------------|--------|
| YV003040B2D | 1/8" BSPT | -30" Hg / 0-1 bar | £10.97 |

50 MM GAUGE DIAMETER

| | | | |
|-------------|-----------|-------------------|--------|
| YV003050B2D | 1/8" BSPT | -30" Hg / 0-1 bar | £13.81 |
| YV003050B4D | 1/4" BSPT | -30" Hg / 0-1 bar | £13.81 |

BOTTOM CONNECTION



4600

DRY VACUUM GAUGES
40 MM GAUGE DIAMETER

| PART NUMBER | THREAD | PRESSURE RANGE | PRICE |
|-------------|-----------|-------------------|--------|
| YV003040A2D | 1/8" BSPT | -30" Hg / 0-1 bar | £10.37 |

50 MM GAUGE DIAMETER

| | | | |
|-------------|-----------|-------------------|--------|
| YV003050A2D | 1/8" BSPT | -30" Hg / 0-1 bar | £12.02 |
| YV003050A4D | 1/4" BSPT | -30" Hg / 0-1 bar | £12.02 |

CENTRE BACK CONNECTION



4600

GLYCERINE FILLED GAUGES 63 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|----------------------------|--------|
| Y001563B4G | 1/4" BSPP | 0 – 1 bar / 0 – 15 psi | £30.15 |
| Y003063B4G | 1/4" BSPP | 0 – 2 bar / 0 – 30 psi | £30.15 |
| Y006063B4G | 1/4" BSPP | 0 – 4 bar / 0 – 60 psi | £30.15 |
| Y010063B4G | 1/4" BSPP | 0 – 6 bar / 0 – 100 psi | £30.15 |
| Y020063B4G | 1/4" BSPP | 0 – 14 bar / 0 – 200 psi | £30.15 |
| Y030063B4G | 1/4" BSPP | 0 – 20 bar / 0 – 300 psi | £30.15 |
| Y040063B4G | 1/4" BSPP | 0 – 25 bar / 0 – 400 psi | £30.15 |
| Y060063B4G | 1/4" BSPP | 0 – 40 bar / 0 – 600 psi | £30.15 |
| Y0100063B4G | 1/4" BSPP | 0 – 60 bar / 0 – 1000 psi | £28.21 |
| Y0200063B4G | 1/4" BSPP | 0 – 138 bar / 0 – 2000 psi | £30.15 |
| Y0300063B4G | 1/4" BSPP | 0 – 200 bar / 0 – 3000 psi | £30.15 |
| Y0400063B4G | 1/4" BSPP | 0 – 250 bar / 0 – 4000 psi | £30.15 |
| Y0600063B4G | 1/4" BSPP | 0 – 400 bar / 0 – 6000 psi | £34.63 |

BOTTOM CONNECTION



4600

GLYCERINE FILLED GAUGES 63 MM GAUGE DIAMETER

| PART NUMBER | THREAD | MAX. PRESSURE SCALE | PRICE |
|-------------|-----------|----------------------------|--------|
| Y001563A4G | 1/4" BSPP | 0 – 1 bar / 0 – 15 psi | £28.88 |
| Y003063A4G | 1/4" BSPP | 0 – 2 bar / 0 – 30 psi | £28.88 |
| Y006063A4G | 1/4" BSPP | 0 – 4 bar / 0 – 60 psi | £28.88 |
| Y010063A4G | 1/4" BSPP | 0 – 6 bar / 0 – 100 psi | £28.88 |
| Y020063A4G | 1/4" BSPP | 0 – 14 bar / 0 – 200 psi | £28.88 |
| Y030063A4G | 1/4" BSPP | 0 – 20 bar / 0 – 300 psi | £28.88 |
| Y040063A4G | 1/4" BSPP | 0 – 25 bar / 0 – 400 psi | £28.88 |
| Y060063A4G | 1/4" BSPP | 0 – 40 bar / 0 – 600 psi | £28.88 |
| Y0100063A4G | 1/4" BSPP | 0 – 60 bar / 0 – 1000 psi | £27.02 |
| Y0200063A4G | 1/4" BSPP | 0 – 138 bar / 0 – 2000 psi | £28.88 |
| Y0300063A4G | 1/4" BSPP | 0 – 200 bar / 0 – 3000 psi | £28.88 |
| Y0400063A4G | 1/4" BSPP | 0 – 250 bar / 0 – 4000 psi | £28.88 |
| Y0600063A4G | 1/4" BSPP | 0 – 400 bar / 0 – 6000 psi | £33.06 |

100 MM GAUGE DIAMETER

| | | | |
|--------------|-----------|----------------------------|--------|
| Y0015100B8G | 1/2" BSPP | 0 – 1 bar / 0 – 15 psi | £81.80 |
| Y0030100B8G | 1/2" BSPP | 0 – 2 bar / 0 – 30 psi | £81.80 |
| Y0060100B8G | 1/2" BSPP | 0 – 4 bar / 0 – 60 psi | £81.80 |
| Y0100100B8G | 1/2" BSPP | 0 – 6 bar / 0 – 100 psi | £81.80 |
| Y0200100B8G | 1/2" BSPP | 0 – 14 bar / 0 – 200 psi | £81.80 |
| Y0300100B8G | 1/2" BSPP | 0 – 20 bar / 0 – 300 psi | £81.80 |
| Y0400100B8G | 1/2" BSPP | 0 – 25 bar / 0 – 400 psi | £81.80 |
| Y0600100B8G | 1/2" BSPP | 0 – 40 bar / 0 – 600 psi | £81.80 |
| Y01000100B8G | 1/2" BSPP | 0 – 60 bar / 0 – 1000 psi | £76.42 |
| Y02000100B8G | 1/2" BSPP | 0 – 138 bar / 0 – 2000 psi | £81.80 |
| Y03000100B8G | 1/2" BSPP | 0 – 200 bar / 0 – 3000 psi | £81.80 |
| Y04000100B8G | 1/2" BSPP | 0 – 250 bar / 0 – 4000 psi | £81.80 |
| Y06000100B8G | 1/2" BSPP | 0 – 400 bar / 0 – 6000 psi | £87.69 |

100 MM GAUGE DIAMETER

| | | | |
|--------------|-----------|----------------------------|--------|
| Y0015100A8G | 1/2" BSPP | 0 – 1 bar / 0 – 15 psi | £76.42 |
| Y0030100A8G | 1/2" BSPP | 0 – 2 bar / 0 – 30 psi | £76.42 |
| Y0060100A8G | 1/2" BSPP | 0 – 4 bar / 0 – 60 psi | £80.23 |
| Y0100100A8G | 1/2" BSPP | 0 – 6 bar / 0 – 100 psi | £76.42 |
| Y0200100A8G | 1/2" BSPP | 0 – 14 bar / 0 – 200 psi | £76.42 |
| Y0300100A8G | 1/2" BSPP | 0 – 20 bar / 0 – 300 psi | £76.42 |
| Y0400100A8G | 1/2" BSPP | 0 – 25 bar / 0 – 400 psi | £76.42 |
| Y0600100A8G | 1/2" BSPP | 0 – 40 bar / 0 – 600 psi | £76.42 |
| Y01000100A8G | 1/2" BSPP | 0 – 60 bar / 0 – 1000 psi | £76.42 |
| Y02000100A8G | 1/2" BSPP | 0 – 138 bar / 0 – 2000 psi | £76.42 |
| Y03000100A8G | 1/2" BSPP | 0 – 200 bar / 0 – 3000 psi | £76.42 |
| Y04000100A8G | 1/2" BSPP | 0 – 250 bar / 0 – 4000 psi | £76.42 |
| Y06000100A8G | 1/2" BSPP | 0 – 400 bar / 0 – 6000 psi | £79.85 |

If calibration certificates are needed, please ask at time of ordering

Delivery times to be advised

ACCESSORIES

New

GAUGE SNUBBER BRASS



4600

| PART NUMBER | THREAD | TYPE | PRICE |
|-------------|----------|-------------------------|--------|
| YOSNUB-04B | 1/4" BSP | Adjustable, piston type | £52.24 |
| YOSNUB-08B | 1/2" BSP | Adjustable, piston type | £66.05 |

New

GAUGE SNUBBER STAINLESS STEEL



4600

| PART NUMBER | THREAD | TYPE | PRICE |
|-------------|----------|-------------------------|---------|
| YOSNUB-04SS | 1/4" BSP | Adjustable, piston type | £93.29 |
| YOSNUB-08SS | 1/2" BSP | Adjustable, piston type | £111.95 |

FEATURES

- Low cost, entry level, sight flow indicators
- High sensitivity spinner or ball types available
- Compact design
- Operates from 0.7 l/m (water)
- Nitrile seals and nylon spinner or PTFE ball give excellent chemical resistance

| Size | Flowrate (l/h water) | |
|------|----------------------|---------|
| | Minimum | Maximum |
| 1/4" | 30 | 200 |
| 3/8" | 50 | 450 |
| 1/2" | 60 | 600 |
| 3/4" | 120 | 1600 |
| 1" | 300 | 1600 |

SPECIFICATIONS

| | GUNMETAL | STAINLESS STEEL |
|------------------|---------------|-----------------|
| Max. temperature | 100°C (212°F) | 100°C (212°F) |
| Max. pressure | 7 bar | 16 bar |

MATERIALS

| | | |
|----------------------|---------------------------|-----------------------------------|
| Body | Gunmetal BS1400LG2 | Stainless steel ASTM A351 CF8M |
| Glass | Soda Lime Glass BS3463 | Toughened Borosilicate DIN7080 |
| Cover ring | Brass – BS2872 CZ122 | |
| Gasket | Nitrile O-ring – BS128 | |
| Spinner mounting pin | Stainless steel – 316 | |
| Spinner | Nylon | |
| Ball | PTFE | |

SPINNER TYPE INDICATORS



SIGHT FLOW INDICATORS
GUNMETAL

1905

| PART NUMBER | THREAD | LENGTH | PRICE |
|-------------|-----------|--------|---------|
| FIG-1703001 | 1/4" BSPT | 76 mm | £162.26 |
| FIG-1703051 | 3/8" BSPT | 76 mm | £192.35 |
| FIG-1703101 | 1/2" BSPT | 76 mm | £192.35 |
| FIG-1703151 | 3/4" BSPT | 83 mm | £242.12 |
| FIG-1703201 | 1" BSPT | 89 mm | £335.77 |

RISING BALL INDICATORS



SIGHT FLOW INDICATORS
GUNMETAL

1905

| PART NUMBER | THREAD | LENGTH | PRICE |
|-------------|-----------|--------|---------|
| FIG-1766001 | 1/4" BSPT | 76 mm | £217.77 |
| FIG-1766051 | 3/8" BSPT | 76 mm | £243.39 |
| FIG-1766101 | 1/2" BSPT | 76 mm | £243.39 |
| FIG-1766151 | 3/4" BSPT | 83 mm | £250.86 |
| FIG-1766201 | 1" BSPT | 89 mm | £366.29 |

Also available ...



E.MC pneumatic products

... on pages 328 – 355, section 6

FEATURES – RISING BALL

- Clear flow indication
- 16 bar pressure and 200°C temperature capability
- Excellent chemical compatibility due to the materials of construction
- Can be used on condensate duty as well as liquids and gas
- Operates over a wide flow range
- Durable PTFE ball and borosilicate glass dome
- No routine maintenance needed
- Unrivalled flow and pressure drop performance
- Manufactured in stainless steel or bronze

SPECIFICATIONS – RISING BALL

| | |
|-------------|-------------------------------------|
| Pressure | 16 bar (maximum working pressure) |
| Temperature | 200°C (maximum working temperature) |
| Connections | BSP(F) parallel |

MATERIALS

| | |
|------------|-------------------------------------------------------------------------------------------------|
| Body | Stainless steel 316: ASTM-A-351-2000 GR CF8M, Bronze BS EN1982 CuSn 5Zn5PB5-C-GS (formerly LG2) |
| Clamp Ring | Stainless steel or bronze |
| Ball | PTFE Teflon |
| Glass Dome | Annealed Borosilicate |
| O-ring | Viton™ |
| Gasket | Klingersil (C-4400) or equivalent |
| Fasteners | Stainless steel |

FEATURES – SPINNER TYPE

- Suitable for water and other clear liquids and gases
- 16 bar pressure and 200°C temperature capability
- Precision moulded glass dome with yellow PPS plastic spinner
- Can be used in any orientation
- Bi-directional flow
- Operates over a wide flow range
- No routine maintenance needed
- Unrivalled flow and pressure drop performance
- Manufactured in stainless steel or bronze

SPECIFICATIONS – SPINNER TYPE

| | |
|-------------|-------------------------------------|
| Pressure | 16 bar (maximum working pressure) |
| Temperature | 200°C (maximum working temperature) |
| Connections | BSP(F) parallel |

MATERIALS

| | |
|------------|-------------------------------------------------------------------------------------------------|
| Body | Stainless steel 316: ASTM-A-351-2000 GR CF8M, Bronze BS EN1982 CuSn 5Zn5PB5-C-GS (formerly LG2) |
| Clamp Ring | Stainless steel or bronze |
| Spinner | Yellow PPS plastic |
| Glass Dome | Annealed Borosilicate |
| O-ring | Viton™ |
| Gasket | Klingersil (C-4400) or equivalent |
| Fasteners | Stainless steel |

RISING BALL INDICATORS



RISING BALL
BRONZE

1970

| PART NUMBER | CONNECTION | PRICE |
|---------------|-------------|---------|
| FM-RBB-08-BSP | 1/4" BSPP | £178.50 |
| FM-RBB-10-BSP | 3/8" BSPP | £178.50 |
| FM-RBB-15-BSP | 1/2" BSPP | £178.50 |
| FM-RBB-20-BSP | 3/4" BSPP | £263.50 |
| FM-RBB-25-BSP | 1" BSPP | £263.50 |
| FM-RBB-32-BSP | 1 1/4" BSPP | £429.25 |
| FM-RBB-40-BSP | 1 1/2" BSPP | £429.25 |

SPINNER TYPE INDICATORS



SPINNER TYPE
BRONZE

1970

| PART NUMBER | CONNECTION | PRICE |
|---------------|-------------|---------|
| FM-SPB-08-BSP | 1/4" BSPP | £178.50 |
| FM-SPB-10-BSP | 3/8" BSPP | £178.50 |
| FM-SPB-15-BSP | 1/2" BSPP | £178.50 |
| FM-SPB-20-BSP | 3/4" BSPP | £263.50 |
| FM-SPB-25-BSP | 1" BSPP | £263.50 |
| FM-SPB-32-BSP | 1 1/4" BSPP | £416.50 |
| FM-SPB-40-BSP | 1 1/2" BSPP | £416.50 |



RISING BALL
STAINLESS STEEL

1970

| PART NUMBER | CONNECTION | PRICE |
|---------------|-------------|---------|
| FM-RBS-08-BSP | 1/4" BSPP | £138.13 |
| FM-RBS-10-BSP | 3/8" BSPP | £138.13 |
| FM-RBS-15-BSP | 1/2" BSPP | £138.13 |
| FM-RBS-20-BSP | 3/4" BSPP | £201.88 |
| FM-RBS-25-BSP | 1" BSPP | £201.88 |
| FM-RBS-32-BSP | 1 1/4" BSPP | £318.75 |
| FM-RBS-40-BSP | 1 1/2" BSPP | £318.75 |



SPINNER TYPE
STAINLESS STEEL

1970

| PART NUMBER | CONNECTION | PRICE |
|---------------|-------------|---------|
| FM-SPS-08-BSP | 1/4" BSPP | £138.13 |
| FM-SPS-10-BSP | 3/8" BSPP | £138.13 |
| FM-SPS-15-BSP | 1/2" BSPP | £138.13 |
| FM-SPS-20-BSP | 3/4" BSPP | £201.88 |
| FM-SPS-25-BSP | 1" BSPP | £201.88 |
| FM-SPS-32-BSP | 1 1/4" BSPP | £318.75 |
| FM-SPS-40-BSP | 1 1/2" BSPP | £318.75 |

SIGHT FLOW INDICATOR ACCESSORIES



**GLASS DOME
FOR RISING BALL INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|--------|
| FM-7008 | 1/4" – 1" | £31.88 |
| FM-7010 | 1 1/4" – 1 1/2" | £42.50 |



**GLASS DOME
FOR SPINNER TYPE INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|--------|
| FM-7009 | 1/4" – 1" | £29.75 |
| FM-7040 | 1 1/4" – 1 1/2" | £46.75 |



**PTFE BALL
FOR RISING BALL INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|--------|
| FM-7011 | 1/4" – 1" | £8.50 |
| FM-7013 | 1 1/4" – 1 1/2" | £10.63 |



**SPINNER
FOR SPINNER TYPE INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|-------|
| FM-7012 | 1/4" – 1" | £5.31 |
| FM-7020 | 1 1/4" – 1 1/2" | £2.13 |



**GASKET SET
FOR RISING BALL INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|-------|
| FM-7022 | 1/4" – 1" | £6.38 |
| FM-7024 | 1 1/4" – 1 1/2" | £7.44 |



**GASKET SET
FOR SPINNER TYPE INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|-------|
| FM-7023 | 1/4" – 1" | £6.38 |
| FM-7029 | 1 1/4" – 1 1/2" | £7.44 |



**COMPLETE SPARES KIT
FOR RISING BALL INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|--------|
| FM-7025 | 1/4" – 1" | £40.38 |
| FM-7027 | 1 1/4" – 1 1/2" | £53.13 |



**COMPLETE SPARES KIT
FOR SPINNER TYPE INDICATOR**

1970

| PART NUMBER | CONNECTION | PRICE |
|-------------|-----------------|--------|
| FM-7026 | 1/4" – 1" | £36.13 |
| FM-7028 | 1 1/4" – 1 1/2" | £57.38 |

SPECIFICATIONS

| | |
|-----------------------------|-----------------------------------------------------------------|
| Connection | 1/8" BSPT |
| Voltage | 240 V |
| Max. fluid temperature | 80°C to 120°C depending on diaphragm |
| Action type | 1B |
| Protection degree | IP65 |
| Operating temperature | Diaphragm type: -10°C to +120°C Piston type: -15°C to +100°C |
| Max. overpressure limit | Diaphragm type: 300 bar Piston type: 800 bar |
| Max. working pressure limit | Diaphragm type: 150 bar Piston type: 450 bar |

MATERIALS

| | |
|---------------------|--------------------------------------------|
| Case | Anodised aluminium |
| Electrical contacts | Zinc plated steel |
| Seal | Diaphragm type: Viton™ Piston type: NBR |



5940

PRESSURE SWITCH WITH SPDT CONTACTS DIAPHRAGM TYPE

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|---------------|-------------------|--------|
| SPVL2400121 | 0.3 – 5 bar | ± 0.15 bar | £99.09 |
| SPVL2400122 | 1 – 10 bar | ± 0.5 bar | £99.09 |
| SPVL2400123 | 10 – 25 bar | ± 1 bar | £99.09 |
| SPVL2400124 | 25 – 80 bar | ± 2.5 bar | £99.09 |

PISTON TYPE

| | | | |
|-------------|---------------|--------------|---------|
| SPVL2400115 | 50 – 200 bar | ± 2 + 10 bar | £108.12 |
| SPVL2400116 | 100 – 400 bar | ± 3 + 15 bar | £108.12 |

DIAPHRAGM PRESSURE SWITCHES

SPECIFICATIONS

| | |
|-------------------------|--------------------------------------|
| Connection | 1/4" BSPP |
| Voltage | 48 V |
| Max. fluid temperature | 80°C to 120°C depending on diaphragm |
| Action type | 1B |
| Protection degree | IP 00 |
| Operating temperature | -10°C to +120°C |
| Max. overpressure limit | 300 bar |
| Max. working pressure | 150 bar |

MATERIALS

| | |
|---------------------|-------------------|
| Case | Zinc plated steel |
| Electrical contacts | Silver AgNi |
| Seal | FKM |

SPECIFICATIONS

| | |
|-------------------------|--------------------------------------|
| Connection | 1/4" BSPP |
| Voltage | 240 V |
| Max. fluid temperature | 80°C to 120°C depending on diaphragm |
| Action type | 1B |
| Protection degree | IP65 |
| Operating temperature | -10°C to +120°C |
| Max. overpressure limit | 300 bar |
| Max. working pressure | 150 bar |

MATERIALS

| | |
|---------------------|-------------------|
| Case | Zinc plated steel |
| Electrical contacts | Silver |
| Seal | FKM |



5940

DIAPHRAGM PRESSURE SWITCH

≤ 48 V NORMALLY OPEN

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|---------------|-------------------|--------|
| SPVL4110620 | 0.1 – 1 bar | ± 0.1 bar | £32.58 |
| SPVL411062A | 0.2 – 2 bar | ± 0.15 bar | £32.58 |
| SPVL4110621 | 1 – 5 bar | ± 0.3 bar | £32.58 |
| SPVL4110622 | 1 – 10 bar | ± 0.5 bar | £32.58 |
| SPVL4110623 | 10 – 20 bar | ± 1.0 bar | £32.58 |
| SPVL4110624 | 20 – 50 bar | ± 2.0 bar | £32.58 |

≤ 48 V NORMALLY CLOSED

| | | | |
|-------------|-------------|------------|--------|
| SPVL4120620 | 0.1 – 1 bar | ± 0.1 bar | £32.58 |
| SPVL412062A | 0.2 – 2 bar | ± 0.15 bar | £32.58 |
| SPVL4120621 | 1 – 5 bar | ± 0.3 bar | £32.58 |
| SPVL4120622 | 1 – 10 bar | ± 0.5 bar | £32.58 |
| SPVL4120623 | 10 – 20 bar | ± 1.0 bar | £32.58 |
| SPVL4120624 | 20 – 50 bar | ± 2.0 bar | £32.58 |



5940

DIAPHRAGM PRESSURE SWITCH

WITH SPDT CONTACTS

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|---------------|-------------------|--------|
| SPVL4920H20 | 0.3 – 1.5 bar | ± 0.15 bar | £60.75 |
| SPVL4920H21 | 1 – 5 bar | ± 0.3 bar | £60.75 |
| SPVL4920H22 | 1 – 12 bar | ± 0.5 bar | £60.75 |
| SPVL4920H23 | 10 – 60 bar | ± 2 bar | £60.75 |

PISTON PRESSURE SWITCHES

SPECIFICATIONS

| | |
|-------------------------|------------------------|
| Connection | 1/4" BSPP |
| Max. switched voltage | 48 V |
| Electrical condition | N.O. (red) N.C. (blue) |
| Max. switched current | 0.5 A |
| Max. fluid temperature | 100°C |
| Action type | 1B |
| Protection degree | IP 00 |
| Max. overpressure limit | 800 bar |
| Max. working pressure | 450 bar |

MATERIALS

| | |
|---------------------|-------------------|
| Case | Zinc plated steel |
| Electrical contacts | Silver AgNi |
| Seal | NBR |



5940

PISTON PRESSURE SWITCH ≤ 48 V NORMALLY OPEN

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|---------------|-------------------|--------|
| SPVL4010H16 | 50 – 150 bar | ± 2 + 10 bar | £53.61 |
| SPVL4010H17 | 100 – 300 bar | ± 5 + 15 bar | £53.61 |

≤ 48 V NORMALLY CLOSED

| | | | |
|-------------|---------------|--------------|--------|
| SPVL4020H16 | 50 – 150 bar | ± 2 + 10 bar | £53.61 |
| SPVL4020H17 | 100 – 300 bar | ± 5 + 15 bar | £53.61 |

SPECIFICATIONS

| | |
|-------------------------|-------------------------|
| Connection | 1/4" BSPP |
| Voltage | 240 V |
| Max. fluid temperature | 100°C |
| Electrical condition | SPDT (exchange contact) |
| Action type | 1B |
| Tightening torque max | 50 Nm |
| Protection degree | IP65 |
| Max. overpressure limit | 900 bar |
| Max. working pressure | 450 bar |

MATERIALS

| | |
|---------------------|-------------------|
| Case | Zinc plated steel |
| Electrical contacts | Silver |
| Seal | NBR |



5940

PISTON PRESSURE SWITCH WITH SPDT CONTACTS

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|---------------|-------------------|--------|
| SPVL4820H16 | 50 – 200 bar | ± 2 + 10 m bar | £70.35 |
| SPVL4820H17 | 200 – 400 bar | ± 4 + 15 m bar | £70.35 |

SPECIFICATIONS

| | |
|-------------------------|-----------|
| Connection | 1/4" BSPF |
| Voltage | 240 V |
| Max. fluid temperature | 100°C |
| Action type | IB |
| Protection degree | IP65 |
| Max. overpressure limit | 900 bar |
| Tolerance | ± 2% |

MATERIALS

| | |
|---------------------|--------------------|
| Case | Anodised aluminium |
| Electrical contacts | SPDT silver |
| Seal | NBR and Teflon |



5940

PISTON PRESSURE SWITCH WITH ADJUSTING KNOB

| PART NUMBER | SETTING RANGE | PRICE |
|--------------|---------------|---------|
| SPVL69223015 | 8 – 150 bar | £168.42 |
| SPVL69223016 | 40 – 400 bar | £168.42 |

TEMPERATURE SWITCHES

SPECIFICATIONS

| | |
|--------------------------|-----------------------------|
| Differential | 15 / 20 K |
| Intervention tolerance | +/- 5 K |
| Max. ambient temperature | 85°C |
| Number of cycles | 100.000 (max. 5 per minute) |
| Max. tightening torque | 40 Nm |
| Protection degree | IP65 |
| Max. pressure | 80 bar |

MATERIALS

| | |
|------|-------|
| Case | Brass |
|------|-------|



5940

BIMETALLIC THERMOSTAT TEMPERATURE SWITCH WITH SPDT CONTACTS

| PART NUMBER | THREAD | TEMPERATURE | PRICE |
|----------------|-----------|-------------|--------|
| SPVL5072102050 | 3/8" BSPP | 50°C | £60.63 |
| SPVL5072102060 | 3/8" BSPP | 60°C | £60.63 |
| SPVL5072102070 | 3/8" BSPP | 70°C | £60.63 |
| SPVL5072102080 | 3/8" BSPP | 80°C | £60.63 |
| SPVL5072108050 | 1/2" BSPP | 50°C | £60.63 |
| SPVL5072108060 | 1/2" BSPP | 60°C | £60.63 |
| SPVL5072108070 | 1/2" BSPP | 70°C | £60.63 |
| SPVL5072108080 | 1/2" BSPP | 80°C | £60.63 |

VACUUM SWITCHES

SPECIFICATIONS

| | |
|-------------------------|-------------------|
| Connection | 1/4" BSPT |
| Max. switched voltage | 48 V |
| Setting range | -200 / -900 m bar |
| Tolerance at 20°C | ± 100 |
| Max. switched current | 0.5 A |
| Max. fluid temperature | 80°C to 120°C |
| Action type | 1B |
| Max. overpressure limit | 15 bar |
| Max. working pressure | 10 bar |

MATERIALS

| | |
|---------------------|-------------|
| Case | Brass |
| Electrical contacts | Silver AgNi |



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VACUUM SWITCH

| PART NUMBER | DESCRIPTION | PRICE |
|-------------|-----------------|--------|
| SPVL3511219 | Normally open | £37.26 |
| SPVL3521219 | Normally closed | £37.26 |

SPECIFICATIONS

| | |
|-------------------------|--------------------------------------|
| Connection | 1/4" BSPT |
| Voltage | 240 V |
| Max. fluid temperature | 80°C to 120°C depending on diaphragm |
| Action type | 1B |
| Protection degree | IP65 |
| Max. tightening torque | 25 Nm |
| Max. overpressure limit | 15 bar |
| Max. working pressure | 10 bar |

MATERIALS

| | |
|---------------------|--------|
| Case | Brass |
| Electrical contacts | Silver |



5940

DIAPHRAGM VACUUM SWITCH WITH SPDT CONTACTS NORMALLY OPEN

| PART NUMBER | SETTING RANGE | TOLERANCE AT 20°C | PRICE |
|-------------|-------------------|-------------------|--------|
| SPVL3821229 | -200 / -900 m bar | ± 100 m bar | £74.16 |

PADDLE FLOW SWITCHES

FEATURES

The devices function via the principle of a paddle supported by metal bellows, and the triggering of a micro switch. Suitable for media with ferritic particles.

SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| Switching range | |
| For 1" to 8" pipes | 0.20 – 165.7 m ³ /h |
| Qmax. recommended | Up to 240 m ³ /h |
| Switch | Micro switch |
| Tolerance | ± 15% of full scale value |
| Pressure resistance | PN 11 |
| Medium temperature | -20°C to +120°C |
| Ambient temperature | -20°C to +85°C |
| Media | Water |
| Switching voltage | 250 V DC |
| Switching current | 15(8) A |
| Protection class | 1 – PE connection |
| Ingress protection | IP 65 |
| Electrical connection | Cable screw gland M20 x 1.5 |



5940

CRG PADDLE FLOW SWITCH FOR 1" TO 8" PIPES

| PART NUMBER | MATERIAL | PRICE |
|--------------|-----------------|---------|
| SPVLCRG025HM | Brass | £332.88 |
| SPVLCRG025HK | Stainless steel | £624.42 |

REDUCED SWITCHING RANGE

| | | |
|---------------|-----------------|---------|
| SPVLCRG025HMR | Brass | £332.88 |
| SPVLCRG025HKR | Stainless steel | £624.42 |

FEATURES

The devices function via the principle of a spring supported paddle, and the magnetic triggering of a micro switch.

- Threaded connection
- Micro switch
- Low pressure loss
- Compact design
- Threaded connection
- Plug DIN 43650-A / ISO 4400

SPECIFICATIONS

| | |
|-----------------------|-----------------------------|
| Switch | Micro switch |
| Tolerance | ± 15% of full scale value |
| Pressure resistance | PN 25 |
| Medium temperature | -20°C to +110°C |
| Ambient temperature | -20°C to +70°C |
| Media | Water |
| Switching voltage | 250 V DC |
| Switching current | Max. 5 A |
| Protection class | 2 – safety insulation |
| Ingress protection | IP 65 |
| Electrical connection | Plug DIN 43650-A / ISO 4400 |



5940

UM3K PADDLE FLOW SWITCH BRASS

| PART NUMBER | THREAD | SWITCHING RANGE | QMAX. RECOMMENDED | PRICE |
|------------------|--------|-----------------|-------------------|---------|
| SPVLUM3K010GM055 | 3/8" | 4.0 – 5.5 l/min | 10 | £259.65 |
| SPVLUM3K015GM070 | 1/2" | 5.5 – 7.0 l/min | 20 | £272.91 |
| SPVLUM3K020GM100 | 3/4" | 7.5 – 10 l/min | 40 | £272.91 |
| SPVLUM3K025GM180 | 1" | 14 – 18 l/min | 60 | £303.78 |
| SPVLUM3K032GM300 | 1 1/4" | 22 – 30 l/min | 80 | £323.43 |
| SPVLUM3K040GM500 | 1 1/2" | 37 – 50 l/min | 100 | £362.85 |
| SPVLUM3K050GM930 | 2" | 67 – 93 l/min | 150 | £471.66 |

LEVEL SWITCHES

SPECIFICATIONS

| | |
|----------------------------------------|------------------|
| Temperature range (atm. pressure) | -10°C to +80°C |
| Pressure resistance (room temperature) | 0.2 MPa |
| Specific gravity of the liquid | Heavier than 0.8 |

MATERIALS

| | |
|---------|---------------|
| Stem | P.P. |
| Float | P.P. foamed |
| Stopper | SUS304 (P.P.) |
| Nat | P.P. |

ELECTRIC SPECIFICATIONS

| | |
|-----------------------|---------------|
| Max. contact capacity | 50 W DC / AC |
| Max. voltage | 300 V DC / AC |
| Max. current | 0.5 A DC / AC |



**SIDE ENTRY LEVEL SWITCH
INTERNAL FITTING**

5940

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLMFS9N1 | 1/4" BSPP | £26.43 |



**SIDE ENTRY LEVEL SWITCH
EXTERNAL FITTING**

5940

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLMFS10N1 | 1/2" BSPT | £26.43 |



**POLYPROPYLENE
LEVEL SWITCH
WITH 18 MM FLOAT**

5940

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLMFS17D | 1/8" BSPP | £16.65 |



**POLYPROPYLENE TOP ENTRY
LEVEL SWITCH
WITH 25 MM FLOAT**

5940

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLMFS17C | 1/8" BSPP | £14.61 |



SIDE ENTRY LEVEL SWITCH

5940

| PART NUMBER | DESCRIPTION | PRICE |
|-------------|---------------------------|--------|
| SPVLMFS21K | 1/4" BSP internal fitting | £18.06 |

FLOAT VALVES

FEATURES

- Connection with gas thread cylindrical DIN – ISO 228 / 1985
- Guarantees a perfect seal with minimum force from the float
- Maximum variable pressure 10 bar
- Nominal pressure PN-10
- Patented valve system
- Swing type valve
- Valve closes progressively



**FLOAT VALVE
304 STAINLESS STEEL**

5940

| PART NUMBER | CONNECTION | PRICE |
|-----------------|------------|---------|
| SPVL11-00110-B1 | 3/8" | £80.82 |
| SPVL11-00115-B1 | 1/2" | £85.38 |
| SPVL11-00120-B1 | 3/4" | £120.09 |
| SPVL11-00125-B1 | 1" | £142.32 |
| SPVL11-00132-B1 | 1 1/4" | £155.94 |

SPECIFICATIONS

| | |
|-----------------------|-----------------|
| Contact rating | 50 VA |
| Max. switch voltage | 300 Vac |
| Max. switch current | 0.5 AAC / DC |
| Dielectric strength | 600 V DC |
| Contact resistance | 200 m Ohms |
| Insulation resistance | 10 m Ohms |
| Temperature range | -40°C to +120°C |
| Max. pressure | 5 bar |
| Float SG | 0.70 ± 0.04 |

MATERIALS

| | |
|-------|---------------------|
| Float | 316 stainless steel |
| Body | 304 stainless steel |

FITTING

The RFS-12P-2 has a 1/2" NPT tapered thread, which is almost indistinguishable from a 1/2" BSPT. This switch can be fitted from outside the tank by screwing it into a 10 mm (max) deep, threaded boss. Both switches can be rotated through 180° to give either normally open or normally closed contacts.



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STAINLESS STEEL LEVEL SWITCH WITH MINI DIN

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLRFS12P2 | 1/2" BSPT | £88.56 |

REED SWITCH PROTECTION

When a reed switch is used on an inductive load e.g. a relay, the current surge which flows back to the reed-switch (back EMF), can cause the reed switch to fail. Protection of the reed switch is required.

FEATURES

- Compact design
- Complete stainless steel design • Internal assembly
- Optimal DIN plug
- Rugged hinge design
- Withstands high temperatures up to 120°C

FITTING

The RFS-11A-2 is assembled from inside the tank or vessel after first drilling a 10 mm (3/8") clearance hole in the tank wall. Both switches can be rotated through 180°, to give either normally open or normally closed contacts.



5940

STAINLESS STEEL LEVEL SWITCH WITH FLYING LEADS

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLRFS11A2 | 1/8" BSPP | £64.35 |

SPECIFICATIONS

| | |
|----------------------------------------|------------------|
| Temperature range (atm. pressure) | -40°C to +120°C |
| Pressure resistance (room temperature) | 1 MPa |
| Specific gravity of the liquid | Heavier than 0.8 |

ELECTRIC SPECIFICATIONS

| | |
|-----------------------|---------------|
| Max. contact capacity | 50 W DC / AC |
| Max. voltage | 300 V DC / AC |
| Max. current | 0.5 A DC / AC |

MATERIALS

| | |
|----------------------------|---------------------|
| Stem, float, stopper & nat | 304 stainless steel |
|----------------------------|---------------------|



5940

TOP ENTRY LEVEL SWITCH WITH FLYING LEADS

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLRFS22 | 1/8" BSPP | £53.31 |

SPECIFICATIONS

| | |
|----------------------------------------|-------------------|
| Temperature range (atm. pressure) | -40°C to +200°C |
| Pressure resistance (room temperature) | 1 MPa |
| Specific gravity of the liquid | Heavier than 0.65 |

ELECTRIC SPECIFICATIONS

| | |
|-----------------------|---------------|
| Max. contact capacity | 50 W DC / AC |
| Max. voltage | 300 V DC / AC |
| Max. current | 0.5 A DC / AC |

MATERIALS

| | |
|----------------------------|---------------------|
| Stem, float, stopper & nat | 304 stainless steel |
|----------------------------|---------------------|



5940

TOP ENTRY LEVEL SWITCH HIGH TEMPERATURE 200°C

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|---------|
| SPVLRFS62 | 3/8" BSPP | £172.26 |

SPECIFICATIONS

| | |
|----------------------------------------|------------------|
| Temperature range (atm. pressure) | -40°C to +120°C |
| Pressure resistance (room temperature) | 1 MPa |
| Specific gravity of the liquid | Heavier than 0.8 |

ELECTRIC SPECIFICATIONS

| | |
|-----------------------|---------------|
| Max. contact capacity | 50 W DC / AC |
| Max. voltage | 300 V DC / AC |
| Max. current | 0.5 A DC / AC |

MATERIALS

| | |
|----------------------------|---------------------|
| Stem, float, stopper & nat | 304 stainless steel |
|----------------------------|---------------------|



5940

SIDE ENTRY LEVEL SWITCH WITH FLYING LEADS

| PART NUMBER | THREAD | PRICE |
|-------------|-----------|--------|
| SPVLRFS42 | 1/8" BSPP | £66.21 |