

Universal Positioners

- Vibration resistant and can operate in any mounting attitude
- Dustproof and splashproof
- Reversal of action possible by simple adjustment
- All ports on one side
- Split range possible

Technical Data
Medium:

Compressed air

Installation:

Air supply must incorporate a pre-filter and a high efficiency (5mm) filter. Lubrication not required as cylinders are pre-greased

Operation:

Universal Positioners, force balance design

Operating Pressure:

2 - 10 bar

Control Pressure:

0,2 - 2,0 bar M/1841

0,2 - 1,0 bar M/1842

Operating Temperature:

+5°C* to +80°C

*100% dry air

Sensitiveness:

Within 0,007 bar

Linearity:

Within 1,5% stroke M/1841

Within 0,8% stroke M/1842

Repeatability:

Within 0,4% stroke

Hysteresis:

Within 0,8% stroke

Dynamic Response:

Non-oscillatory

Control Action:

Direct or indirect

Flow:

9 dm³/s of free air at 6 bar

Cv factor:

0,21

Steady state Air Consumption:

Less than 0,5 dm³/s at 6 bar supply

Zero screw adjustment:

5 50% full stroke

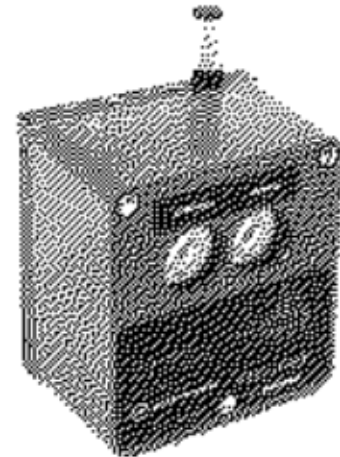
Proportional Band:

<u>Signal</u>	Ratio 25 - 150%
<u>Stroke</u>	

Materials

Aluminium alloy main base, cover, valve body and control bellows housing, stainless steel valve spool and feedback cam, brass valve bush, 80/20 brass or phosphor bronze bellows, zinc plated pressed steel balance lever and feedback levers, polycarbonate gauge windows to BS 6005 (1981), silicone rubber seal.

Ordering Information

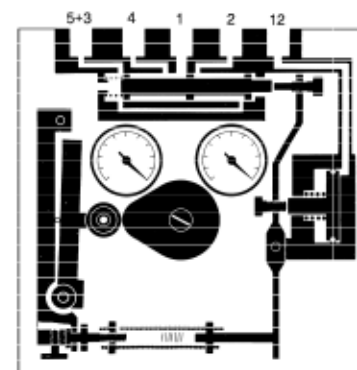
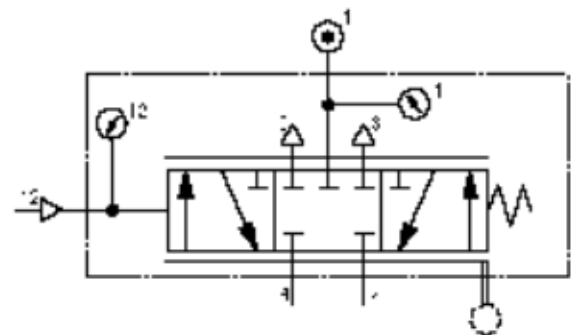
To order a Universal Positioner for use with a control pressure range of 0,2 - 1,0 bar quote:
M/1842

Control Pressure Ranges

0,2 - 1,0 bar

0,2 - 2,0 bar

Alternative Models

For alternative temperature ranges please consult our Technical Service.





Weights of Universal Positioners (kg)

Model	Weight
M/1841	3,72
M/1842	3,72

Spares

Model	Spares kit
M/1841	QM/1841/00
M/1842	QM/1842/00

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under **Technical Data**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.