



3/2 Bleed Actuated Spool Valve Pilot & mechanically actuated G¹/₈

- Light compact body
- Trip and detector valves with very light operating forces on mechanically actuated models
- Very low pressure pilot operated models
- Air bleed principle
- Exhaust port protected by filter disc



Technical Data

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Poppet valve, bleed actuated

Mounting:

Through holes in valve body

Port Size:

G¹/₈

Operating Pressure:

3 - 10 bar

Flow (to CETOP RP50P)

M/21

c 0,44

b 0,53

Cv 0,13

Operating Temperature:

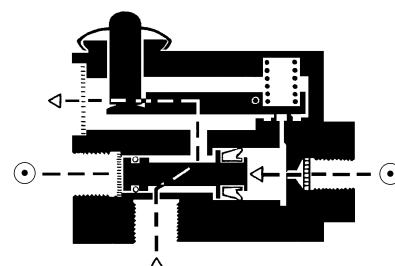
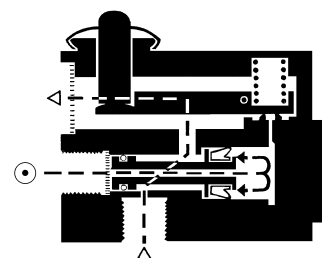
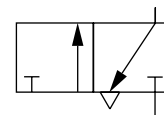
+5°C to +80°C

Materials:

Diecast zinc alloy body, steel piston, nitrile rubber seats

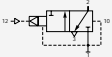
Ordering Information

To order, quote model number from table overleaf, e.g. M/21/25 for the Roller Pilot Pressure Release Actuated (Independent Supply), Air Return Model.

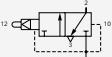
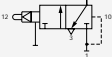
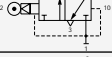
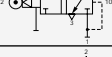
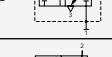

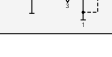




Pilot model

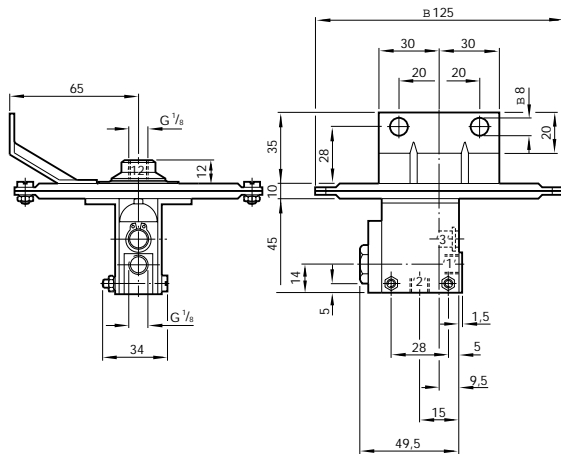
Symbol	Model	Operation	Return	Operating pressure (Bar)	Pilot pressure (Bar)	Weight (kg)	Spares
	M/21/342	Pilot, bleed	Air	3-10	0,0025-0,3	0,65	OM/21/342/00

Mechanical models

Symbol	Model	Operation	Return	Operating pressure (Bar)	Pilot pressure (Bar)	Weight (kg)	Spares
	M/21/41	Plunger, bleed	Air, integral supply	3-10	-	0,23	QM/21/11/00
	M/21/341	Plunger, bleed	Air, independent supply	3-10	0,2 x operating pressure	0,25	QM/21/11/00
	M/21/11	Roller, bleed	Air, integral supply	3-10	-	0,23	QM/21/11/00
	M/21/25	Roller, bleed	Air, independent supply	3-10	0,2 x operating pressure	0,23	QM/21/11/00
	M/21/148	One-way Trip, bleed	Air, integral supply	3-10	-	0,23	QM/21/11/00
	M/21/70	Antenna, bleed	Air, integral supply	3-10	-	0,23	QM/21/11/00
	M/21/370	Antenna, bleed	Air, independent supply	3-10	0,2 x operating pressure	0,23	QM/21/11/00

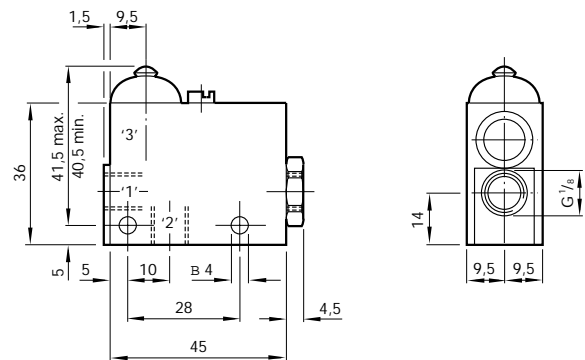
M/21/342

Pressure (diaphragm) pilot pressure release actuated, air return



M/21/41 and M/21/341 Models

3/2 Plunger Pilot Pressure Release Actuated, Air Return Valves

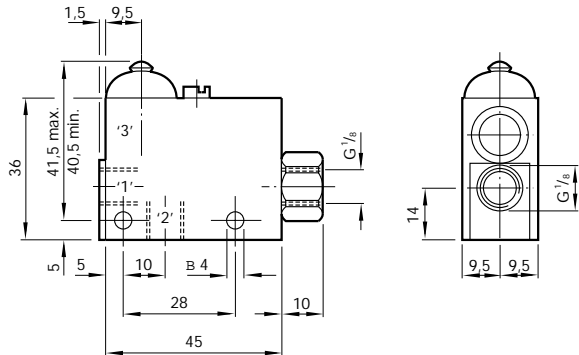


Operating Force: 1N
 Pre-travel: 0,6 - 3,3 mm
 Operating Travel: 0,3 mm
 Over-travel: 2,2 - 3,9 mm



M/21/11

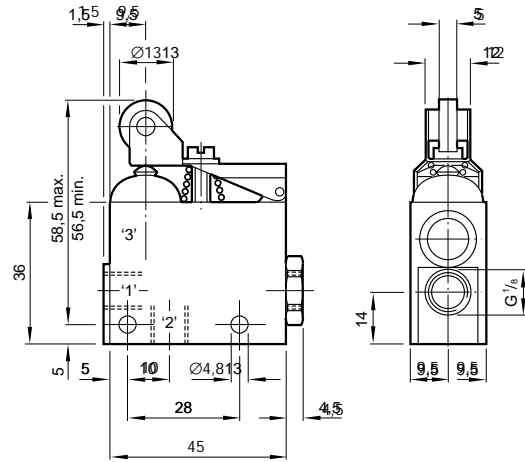
Plunger pilot release actuated
(independent supply), air return



Operating Force: 1 N
Pre-travel: 0,3 - 3 mm
Operating Travel: 0,3 mm
Over-travel: 2,2 - 3,9 mm

M/21/11

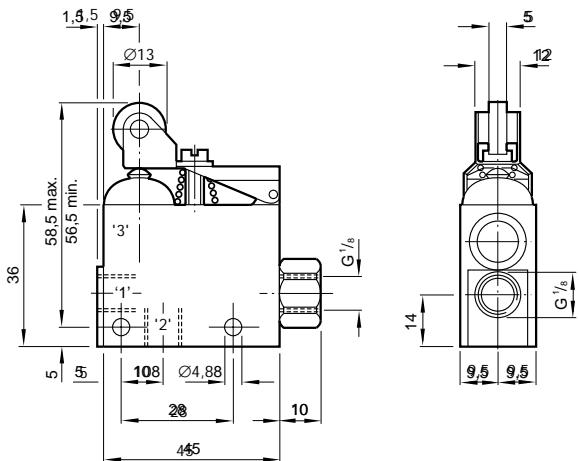
Roller pilot pressure release actuated,
air return



Operating Force: 1 N
Pre-travel: 0,3 - 1,0 mm
Operating Travel: 0,3 mm
Over-travel: 2,2 - 3,9 mm

M/21/25

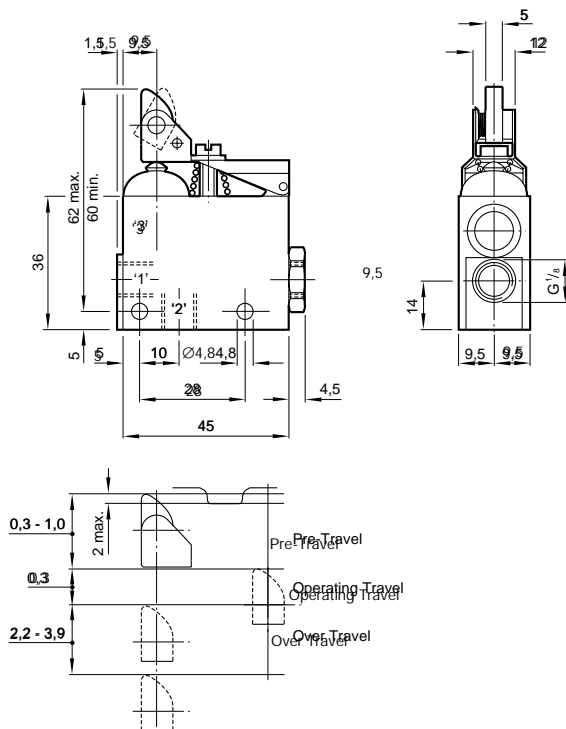
Roller pilot pressure release actuated
(independent supply), air return



Operating Force: 1 N
Pre-travel: 0,7 mm
Operating Travel: 0,3 mm
Over-travel: 2,2 - 3,9 mm

M/21/148

One-way trip pilot pressure release actuated,
air return

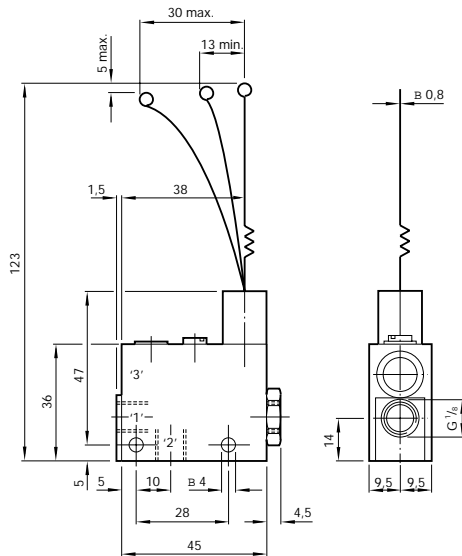


Operating Force: 1 N
Pre-travel: 0,3 - 1,0 mm
Operating Travel: 0,3 mm
Over-travel: 2,2 - 3,9 mm
Maximum 2 mm for trip



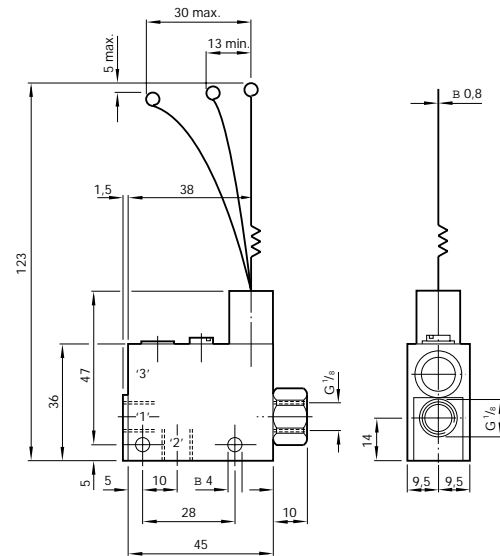
M/21/70

Antenna pilot pressure release actuated, air return



Operating Force: 0,15 N

M/21/370

Antenna pilot pressure release actuated
(independent supply), air return

Operating Force: 0,15 N

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 where applicable.