



- Precision, small flow unit primarily intended for use with slow moving hydraulic cylinders
- Suitable for use with pneumatic supplies
- Integral filter element
- Captive adjusting needle



#### Technical Data

##### Medium:

Hydraulic fluid or compressed air, filtered, lubricated and non-lubricated

##### Operation:

Bi-directional

##### Mounting:

Through-holes in regulator body

##### Port Size:

|                       |                         |
|-----------------------|-------------------------|
| BSPP                  | NPT                     |
| G $\frac{1}{4}$ S/518 | $\frac{1}{4}$ NPT C/518 |

##### Operating Pressure:

0 - 138 bar hydraulic  
0 - 17 bar pneumatic

#### Materials

Aluminium body, brass port connections, adjusting knob and needle, nitrile rubber seals.

#### Ordering Information

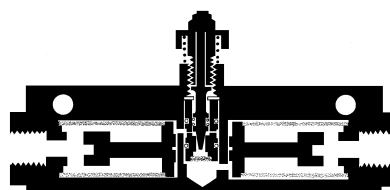
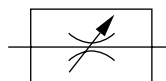
To order, quote model number S/518

#### Alternative models

M/600 range of Heavy duty panel mounting flow regulators (air & hydraulic), see page 5.9.041.01

M/800 range of heavy duty Flow regulators, see page 5.9.051.01

T1000 range of Block form flow regulators, see page 5.9.001.01



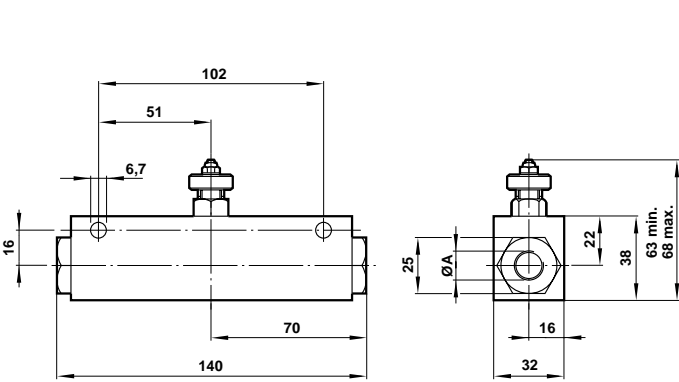


## General Information

| MODEL       | Type           | Port Size | Weight (Kg) | Spares kit  |
|-------------|----------------|-----------|-------------|-------------|
| BSPP NPT    |                |           |             | BSPP or NPT |
| S/518 C/518 | Bi-directional | 1/4       | 0,50        | OS/518/00   |

BSPP = According to BS2779 and ISO - 228/1  
 NPT = According to ANSI-B1.20.1

## Precision Small Flow Regulator



Model Number: **S/518** ØA  
**C/518** G<sup>1/4</sup>  
<sup>1/4</sup> NPT

Type: Bi-directional  
 Minimum allowable flow rate from inlet to outlet must not exceed 120cc/minute at 5,5 bar (free air).  
 Pressure drop across unit should not exceed 52 bar or overheating will occur.

## 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.