

EXCELON® 74
Smooth Start Valves
Unthreaded Ports, 1/2" Basic Size

- **Modular installation only**
- **High-flow, spring return, 2-port/2-position normally closed valves.**
- **Reduces rate of downstream air pressure buildup at system start up**
- **Cylinders and other air operated devices are eased into normal starting positions, reducing the possibility of equipment damage and hazards to the user.**
- **Adjustable rate of pressure increase**
- **Cushioned poppets for long service life**


Technical Data

Fluid: Filtered and lubricated compressed air

Inlet pressure range: 2 to 17 bar (30 to 250 psig)

Temperature range*: -30° to +80°C (-20° to +175°F)

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Time delay: Application of full downstream pressure can be delayed for as long as 50 seconds, depending on the setting of the adjustable needle valve and downstream air volume.

Average flow factor (Cv): 4,0

Materials:

Body: Zinc

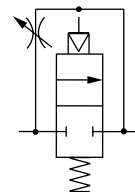
Pistons, poppets: Aluminum

Elastomers: Nitrile

Note: Smooth start valves never shut off completely, and must be installed downstream of a directional control valve such as a Norgren Poppet or Lockout Valve.

Ordering Information

See *Ordering Information* on the following pages.

ISO Symbol




P74 Smooth Start Valve


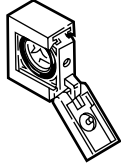
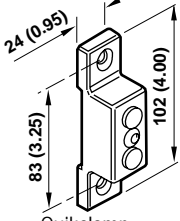
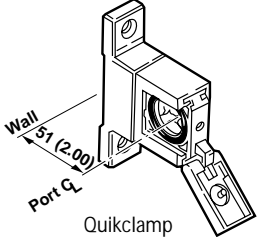
Ordering Information

Installation Type	2 Port/2 Position Normally Closed	Weight kg (lb)
Modular	P74E-NNN-NNN	0,53 (1.17)

* Valve ports are unthreaded. To install in air line use Quikclamp™ and Quikclamp pipe adapters or connect to other Excelon 74 units.

Alternative Models

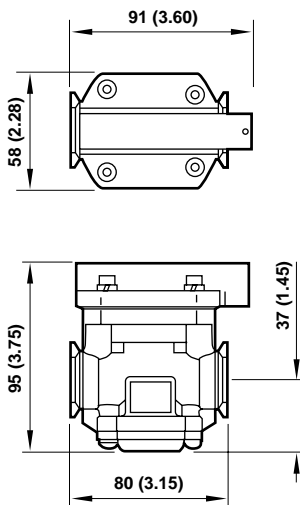
No alternative models available.

																							
<p>Quikmount Pipe Adapters (each kit contains one adapter) **</p> <table border="1"> <thead> <tr> <th>Size</th> <th>PTF Threads</th> <th>ISO Rc Threads</th> <th>ISO G Threads</th> </tr> </thead> <tbody> <tr> <td>1/4"</td> <td>4315-01</td> <td>4315-05</td> <td>4315-09</td> </tr> <tr> <td>3/8"</td> <td>4315-01</td> <td>4315-06</td> <td>4315-10</td> </tr> <tr> <td>1/2"</td> <td>4315-03</td> <td>4315-07</td> <td>4315-11</td> </tr> <tr> <td>3/4"</td> <td>4315-04</td> <td>4315-08</td> <td>4315-12</td> </tr> </tbody> </table>	Size	PTF Threads	ISO Rc Threads	ISO G Threads	1/4"	4315-01	4315-05	4315-09	3/8"	4315-01	4315-06	4315-10	1/2"	4315-03	4315-07	4315-11	3/4"	4315-04	4315-08	4315-12	<p>Quikclamp †</p>	<p>Quikclamp Wall Mounting Bracket</p>	<p>Quikclamp and Wall Mounting Bracket</p>
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	4314-51	4313-50	4314-52																				

** Each pipe adapter adds 18 mm (0.71 ") to the overall length of a valve.

† Each Quikclamp adds 13,6 mm (0.7 ") to the overall length of a valve.

Dimensions mm (inches)



Service Kit

Item	Type	Part Number
Service kit	Seal & Gasket	53474-37
Quikclamp service kit	2 o-rings	4384-770

Service kit includes all o-rings, head gasket and seals.

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.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.