

Municipal Valve

Technical Information



Main Stop and Curb Stop Valves



The connection you can trust.

Philmac

Main Stop Valves



Philmac Municipal Main Stops are designed specifically for mains-to-meter polyethylene water reticulation service lines. The main stops are based on the Philmac plastic ball valve and incorporate customised end connections and handles to meet the needs of water authorities and contractors.

Features

- Maximum static operating pressure 1600 kPa at 20°C.
- Suitable for contact with potable and recycled water - complies with AS3855.
- Blue or lilac handles to identify water quality.
- Below or above ground suitability.
- Engineering grade plastic for heavy duty service.
- Corrosion and UV resistant.
- High flow capacity.
- Round handle reduces damage risk during excavation.
- Clear flow direction and size markings.
- Choice of Philmac Metric compression end or FI BSP threaded end for outlet connection.
- DR brass MI BSP thread for connection to mains tapping point.
- Ball seals manufactured from internally lubricated material for smooth action and abrasion resistance.
- Nitrile rubber O-rings for sealing performance.
- Complementary range of Philmac valves and fittings to complete the mains to boundary system.
- Each Unit is now Factory Tested.

Installation

Can be used in either metal or plastic pipe systems.

Philmac PTFE tape is recommended on BSP threads for a positive seal.

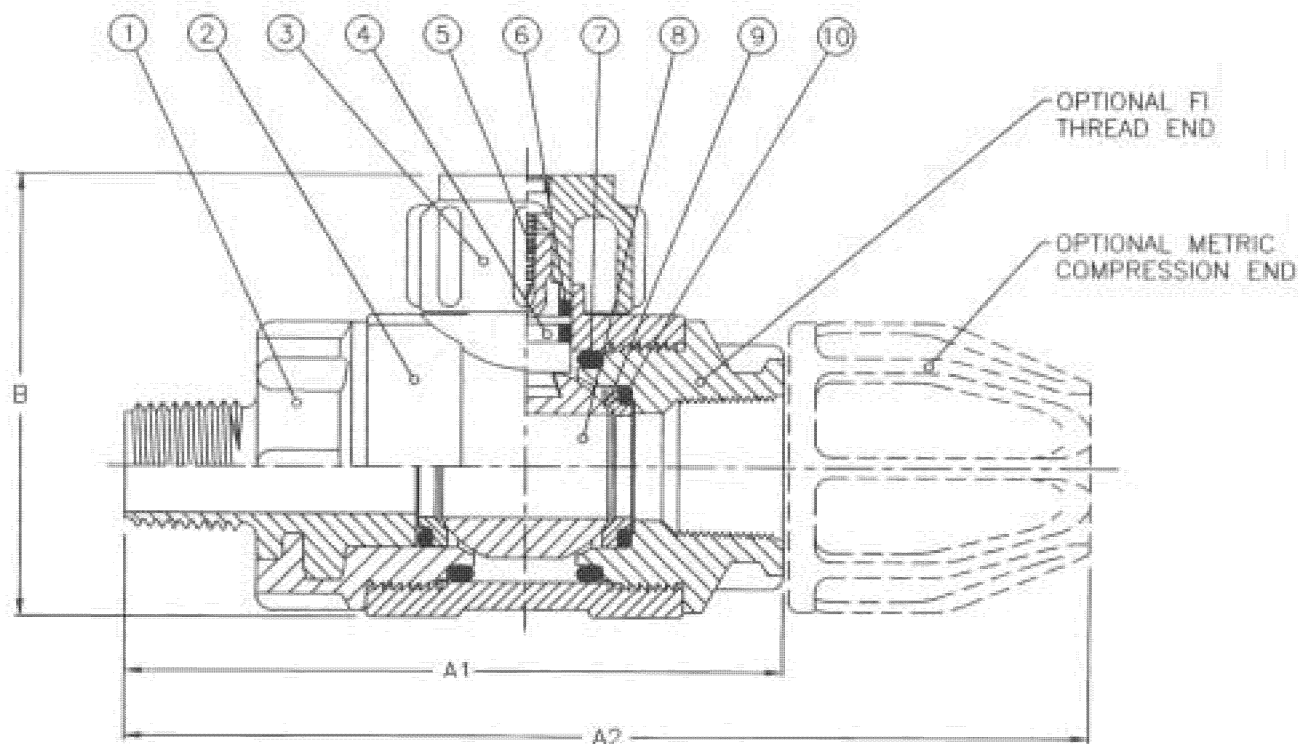
Range

Ref. No.	Mains End	Outlet End	Handle
5409	1/4" MI BSP	1/4" FI BSP	Blue
5419	1/4" MI BSP	1/4" FI BSP	Lilac
5449	1/4" MI BSP	25mm O.D. pipe	Blue
5469	1/4" MI BSP	25mm O.D. pipe	Lilac
5459	1/4" MI BSP	32mm O.D. pipe	Blue
5479	1/4" MI BSP	32mm O.D. pipe	Lilac

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S P E C I F I C A T I O N S



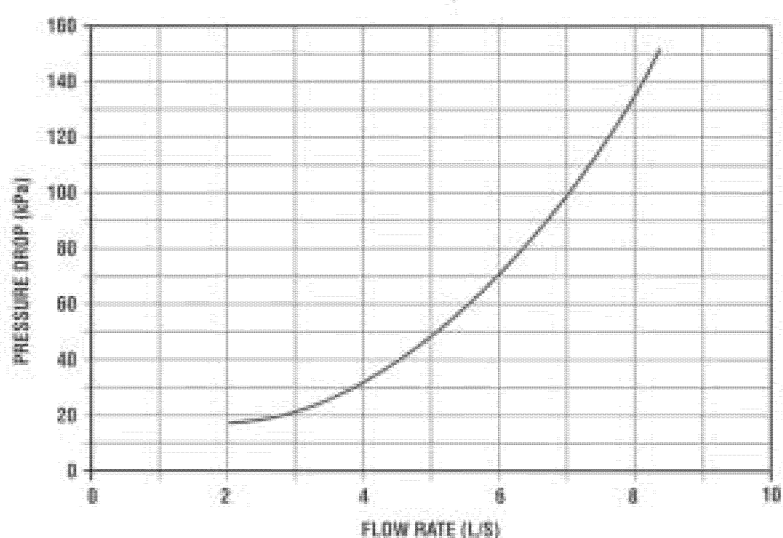
Parts

No	Description	No. Req.
1	DR Brass M1 BSP thread	1
2	Body	1
3	Handle	1
4	Spindle	1
5	Fastening Screw	1
6	Spindle 'O' Ring	2
7	End Cap 'O' Ring	2
8	Ball	1
9	Seal Ring	2
10	Seal Ring 'O' Ring	2

Dimensions

Reference No.	Dimension A (mm)	Dimension B (mm)
5409	A1: 125.6	85
5419	A1: 125.6	85
5449	A2: 184.1	85
5469	A2: 184.1	85
5459	A2: 196.6	85
5479	A2: 196.6	85

Flow rate vs Pressure drop



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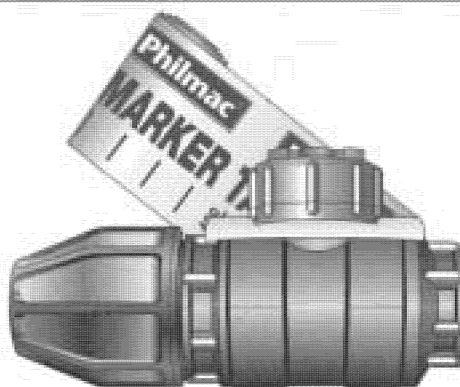
Philmac Pty Ltd 53-59 Deeds Road,
North Plympton, S.A. 5037, Australia
Telephone (08) 8300 9200 Facsimile (08) 8300 9390
Web: <http://www.philmac.com.au>

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10/02/04/01

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Curb Stop Valves



Philmac Municipal Curb Stops are designed specifically for mains-to-meter polyethylene water reticulation service lines. The curb stops are based on the Philmac plastic ball valve and incorporate customised end connections, handles and marker tape, to meet the needs of water authorities and contractors.

Features

- Maximum static operating pressure 1600 kPa at 20°C.
- Suitable for contact with potable and recycled water - complies with AS3855.
- Blue or lilac handles to identify water quality.
- Below or above ground suitability.
- Engineering grade plastic for heavy duty service.
- Corrosion and UV resistant.
- High flow capacity.
- Round handle reduces damage risk during excavation.
- Clear flow direction and size markings.
- Metric compression end for PE pipe.
- Standard FI BSP threaded end connection for transition to copper riser.
- Supplied with marker tape to aid future location of valve.
- Ball seals manufactured from internally lubricated material for smooth action and abrasion resistance.
- Each Unit is now Factory Tested.

- Nitrile rubber O-rings for sealing performance.
- Complementary range of Philmac valves and fittings to complete the mains to boundary system.

Installation

Philmac PTFE tape is recommended on BSP threads for a positive seal. Temporary valve cover available for use prior to final meter connection.

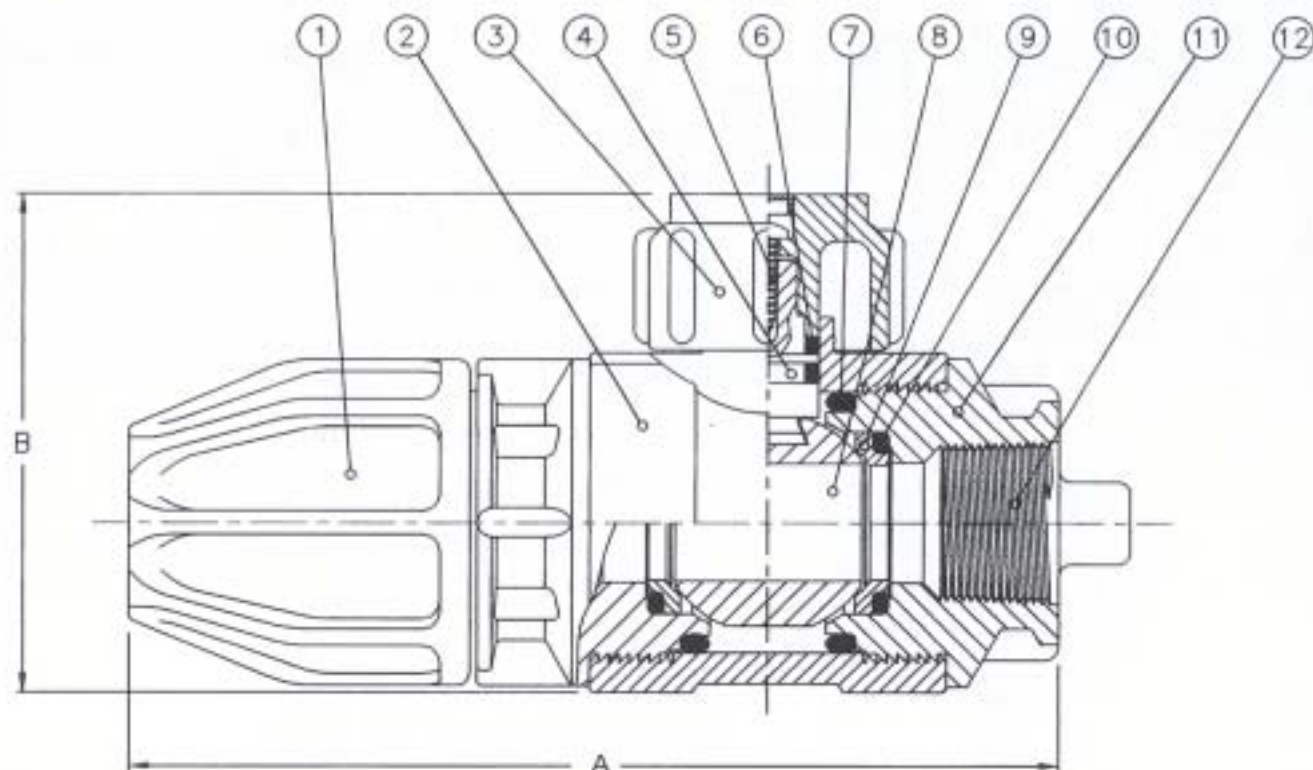
Range

Ref. No.	Compression End	Threaded End	Handle
5408	25mm O.D. pipe	1/4" FI BSP	Blue
5418	25mm O.D. pipe	1/4" FI BSP	Lilac
5448	32mm O.D. pipe	1/4" FI BSP	Lilac



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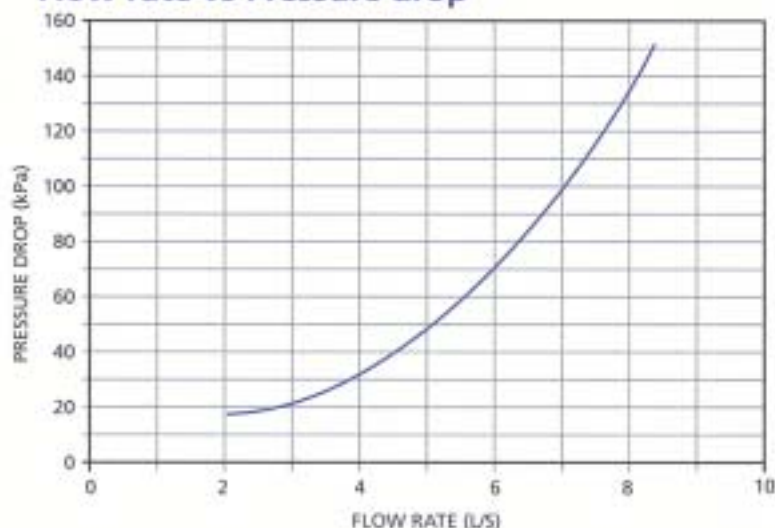
S P E C I F I C A T I O N S



Parts

No	Description	No. Req.
1	Nut/Grip Ring/Seal Assembly	1
2	Body	1
3	Handle	1
4	Spindle	1
5	Fastening Screw	1
6	Spindle 'O' Ring	2
7	End Cap 'O' Ring	2
8	Ball	1
9	Seal Ring	2
10	Seal Ring 'O' Ring	2
11	End Cap	2
12	Temporary Plug	1

Flow rate vs Pressure drop



Dimensions

Reference No.	Dimension A (mm)	Dimension B (mm)
S408	157	85.0
S418	157	85.0
S448	170	85.0



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