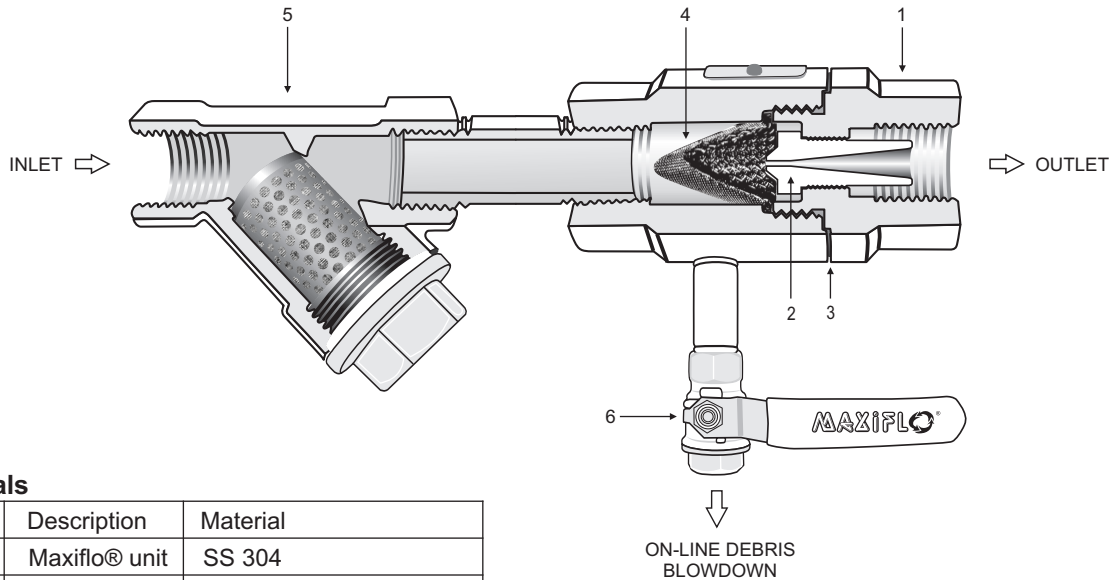


Description

The Maxiflo® ejector is a custom designed condensate removal system which replaces traditional methods such as steam traps, cascade systems and thermocompressors. The units are supplied with primary y-type strainers & secondary mesh filters, for additional dirt handling capacity. The integral blowdown valve enables on-line cleaning, without disassembly.

Design Features

The Maxiflo® design minimises eddy currents during operation, enabling fine dirt particles to pass straight through the ejector. In addition, the integral mesh filter can be cleaned on-line, with only a brief opening of the blowdown valve.



Materials

Item	Description	Material
1	Maxiflo® unit	SS 304
2	Ejector	SS austenitic WH
3	Body gasket	98% pure graphite
4	Mesh filter	SS 316
5	Y-Strainer	SS 304/ASTM A351 CF8
6	Ball valve	SS 304/ASTM A351 CF8

Operating Conditions

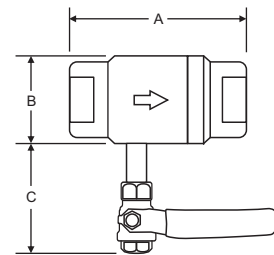
Maximum operating pressure	60 bar
Maximum operating temperature	550° C
Cold hydraulic test pressure	100 bar

Sizes & Connections

DN: 15, 20, 25, 40 and 50
(NB: ½ ¾ 1" 1½ and 2")

Screwed: BSP (BS 21 parallel)
NPTF (National Pipe Thread)

Flanged: BS 4504 PN16/25/40
ANSI B16.5 Class 150/300/600

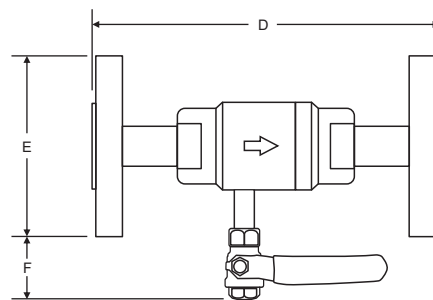


Screwed Maxiflo® - Model LPV

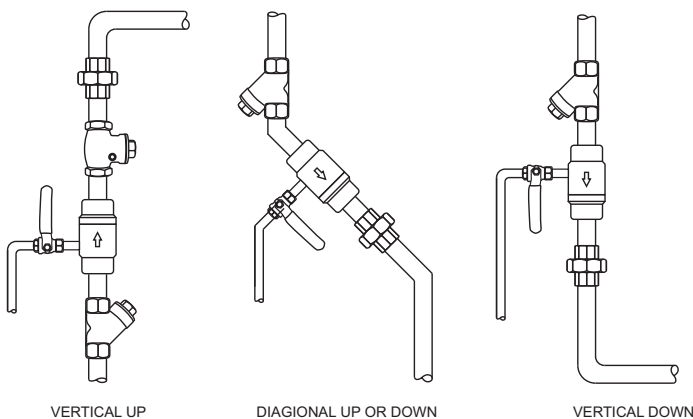
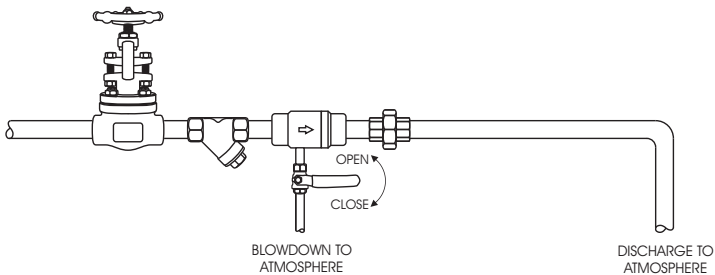
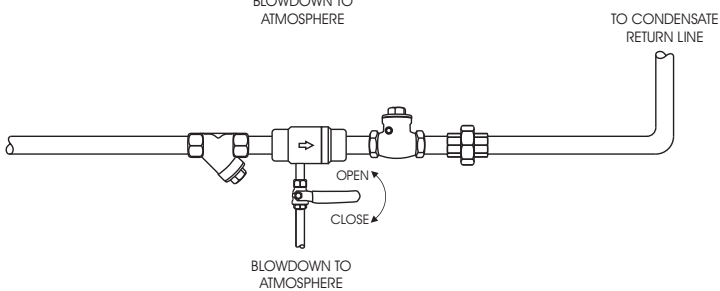
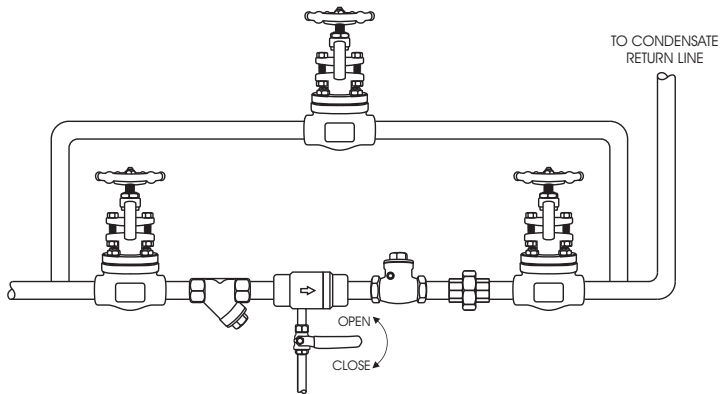
Dimensions & Weight (mm & kg)

Size DN	Screwed unit - LPV				Flanged unit - LPF *			
	A	B	C	kg	D	E	F	kg
15 (½")	78	40	75	0.6	150	95	47.5	2.5
20 (¾")	90	40	75	0.7	150	105	42.5	4.0
25 (1.0")	95	50	75	1.1	165	115	42.5	5.0
40 (1½")	170	90	90	5.3	250	150	60.0	9.0
50 (2.0")	170	90	90	5.3	250	185	52.5	11.0

*Flanged dimensions & weights are applicable to BS 4504 fabrication



Flanged Maxiflo® - Model LPF



Product Guarantee

Maxiflo® units are guaranteed against defective materials, workmanship, erosion and performance for ten (10) years from date of installation, whereby any defective units will be repaired or replaced at no cost.

Installation Options

An existing steam trap loop configured for easy trap maintenance. The replacement Maxiflo® system installed requires only periodic blowdown maintenance.

Recommended Maxiflo® configuration without isolation valves, is suitable for periodic blowdown maintenance. Strainers can be cleaned during scheduled shut down periods.

An existing steam trap configuration for discharge to atmosphere. The replacement Maxiflo® system can be installed without the upstream isolation valve, as only periodic blowdown maintenance is required.

Orientation

The Maxiflo® ejector system can be installed in any position, without compromising its efficiency. For safety reasons, the blowdown valves should be re-configured to discharge downwards.

Low Maintenance

Debris will inherently end up in the primary y-strainers and mesh filters, as they are the last point of exit on the steam system. For the first 3 months after installation, fortnightly blowdowns are recommended to dislodge and purge upstream debris.

Thereafter, blowdown periods can be reduced to 3 monthly intervals, to maintain a clean system.

