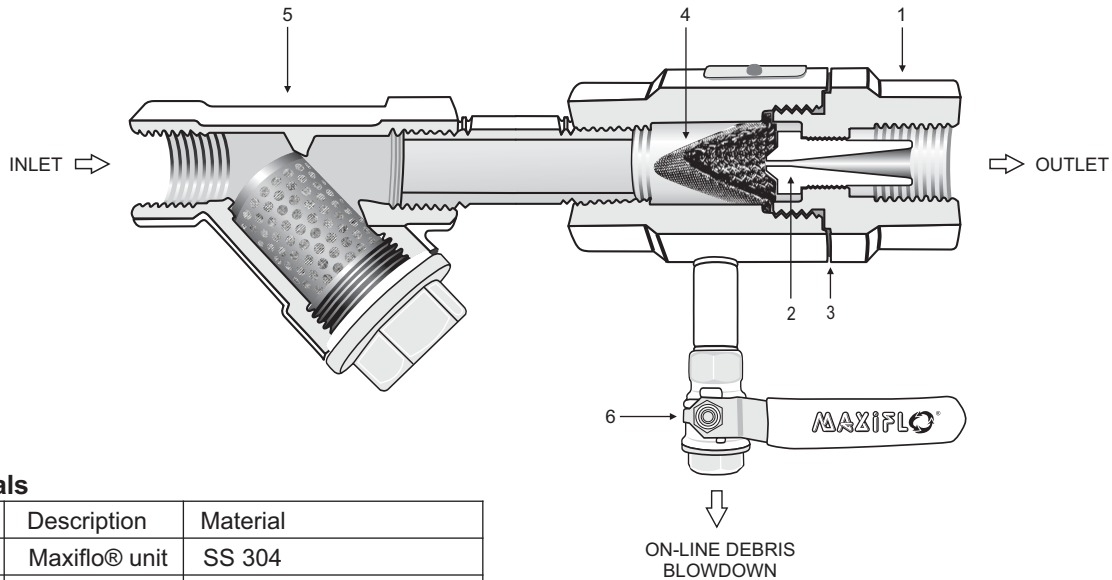


### Description

The Maxiflo® ejector is a custom designed condensate removal system. All units are supplied with primary y-type strainers and secondary mesh filters, for additional dirt handling capacity. The integral blowdown valve enables on-line cleaning, without disassembly.

### Design Features

The Maxiflo® ejector design minimises eddy currents during operation, enabling fine dirt particles to pass straight through the nozzle. 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 nozzle	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

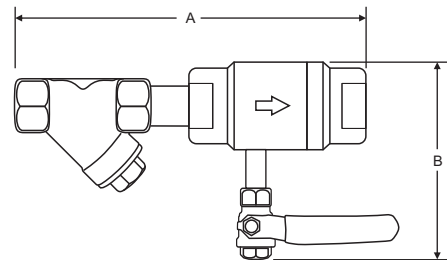
Maximum operating pressure	60 bar
Maximum operating temperature	550° C
Cold hydraulic test pressure	100 bar

### 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 Table 16/25/40  
ANSI B16.5 Class 150/300/600

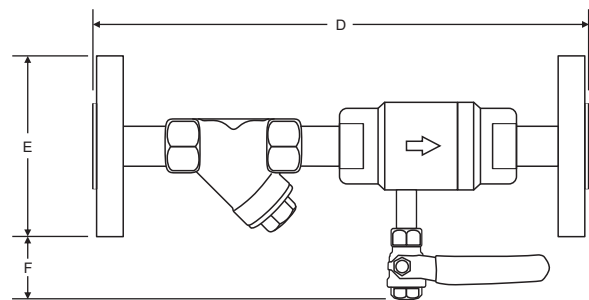


Screwed Maxiflo® - Model LPV

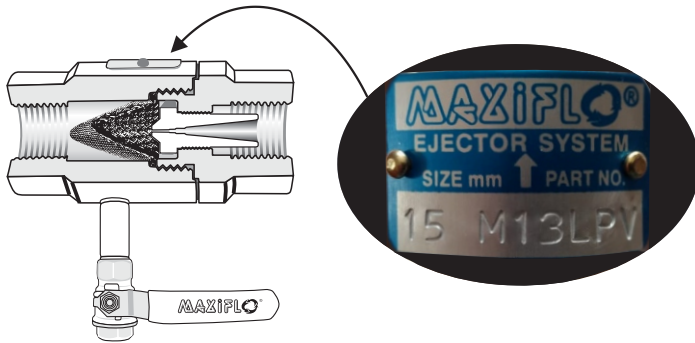
### Dimensions & Weight (mm & kg )

Size DN	Screwed unit - LPV			Flanged unit - LPF*			
	A	B	kg	D	E	F	kg
15 (½")	170	115	0.9	220	95	50	2.5
20 (¾")	200	115	1.1	250	105	46	3.2
25 (1.0")	225	125	1.7	300	115	39	4.5
40 (1½")	340	180	6.2	400	150	62	11
50 (2.0")	360	180	7.2	420	165	51	13.6

\*Flanged dimensions & weights are applicable to BS 4504 Table 16/25



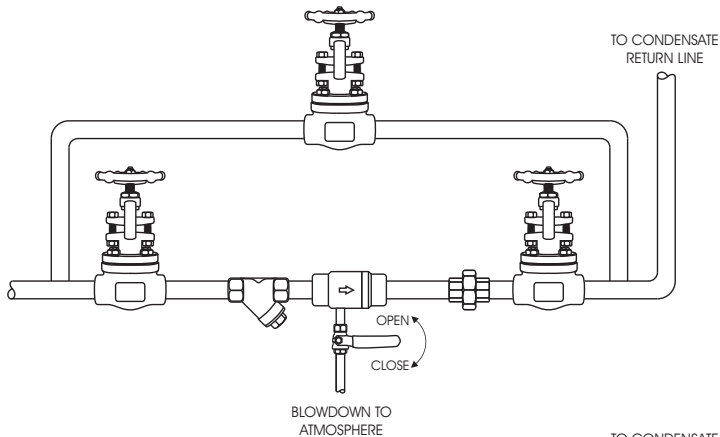
Flanged Maxiflo® - Model LPF



## Markings

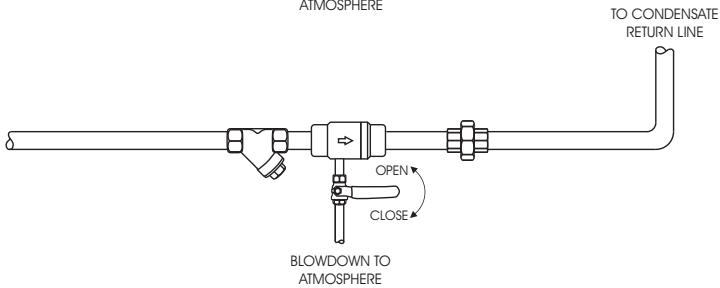
Arrow indicates direction of condensate discharge. Part number must always correspond to the number designated on design drawings or on the Maxiflo® application schedule.

**! WARNING** - Performance can be severely affected if incorrect part number is installed.

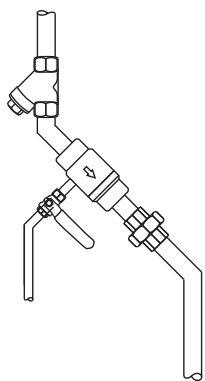


## Installation Options

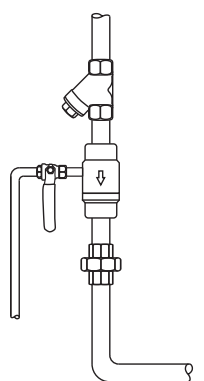
With an existing loop configuration, the replacement Maxiflo® system installed requires only periodic blowdown maintenance.



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



DIAGONAL UP OR DOWN



VERTICAL DOWN

## Orientation

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

## 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.

## 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.

