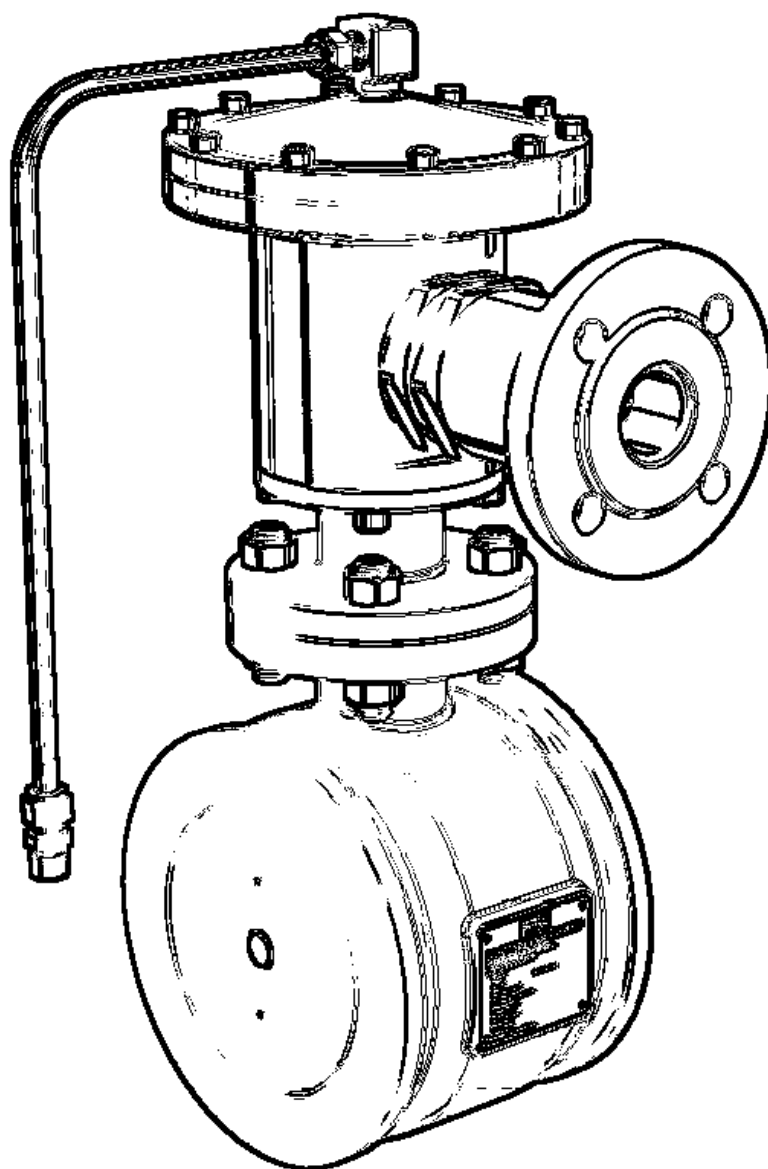


Data sheet for

MATRE WIDE RANGE BALANCED FOAM PROPORTIONER





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2 General product information

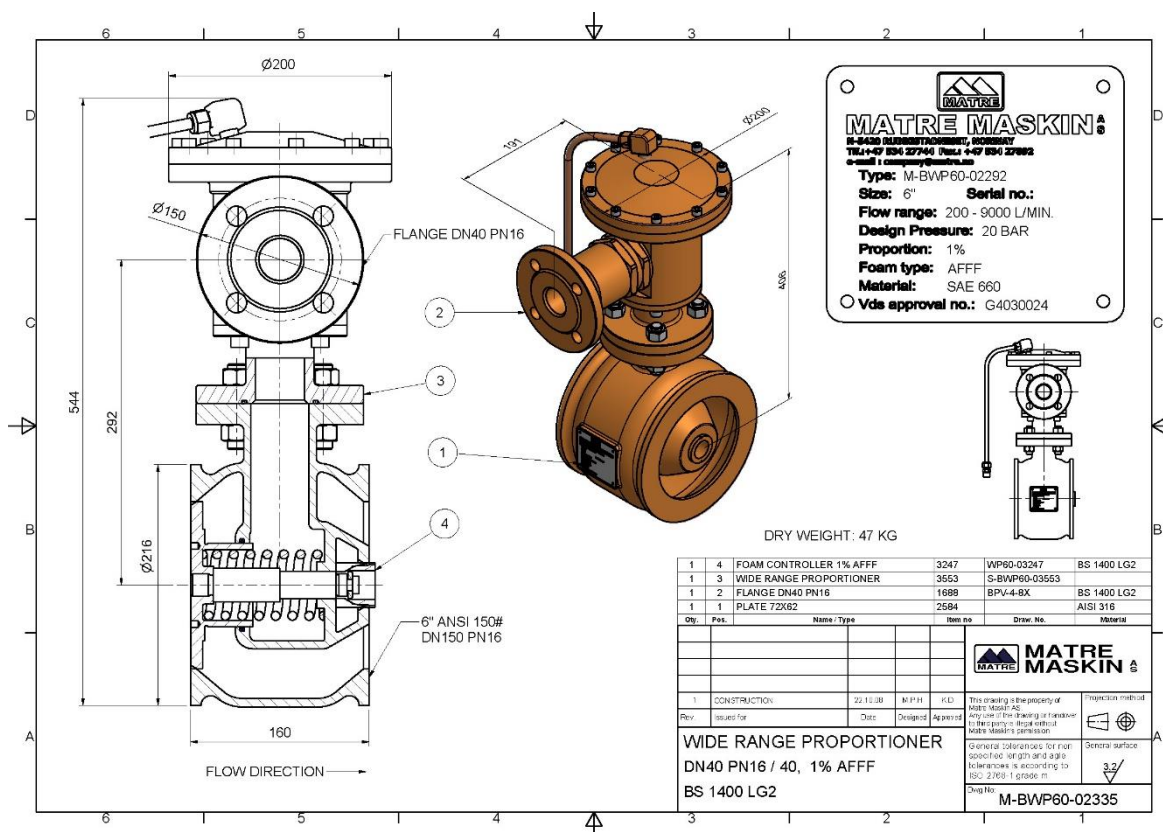
Matre Wide Range Balanced Foam Proportioner is known for reliability. It is extremely reliable and precise. Pressurized water within the performance range and foam is what is required for a perfect proportioning.

The range is from 100% flow and down to 1,1%.

For test purposes or to run the system with water only it is possible to close the foam inlet or to insert water also in the foam inlet.

Recommended maintenance is inspection and service each 5th year.

3 STANDARD DESIGN



Characteristics

Standard

Options

Material	EN 1982 CC493K (BS 1400 LG2)	
Interface for water supply	6" ANSI B16.5 150 lb DN 150 PN16	
Interface for foam supply	DN40 PN16	1 1/2" ANSI B16.5 150lb
Check valve in foam port	1 1/2" BS1400 LG2	
Design pressure	16 bar	20 bar (not VdS)
Test pressure	24 bar	30 bar (not VdS)
Flow range	100-9000 l/min	
Water pressure range	5-16 bar	5-19 bar (not VdS)

Characteristics	Standard	Options
Foam pressure range	1-10 bar higher than the water pressure. Limited to 17 bar	Max 20 bar (not VdS)
Insertion	1% Tolerances 0% - +30% AFFF (VDS) 2% Tolerances 0% - +30% AFFF (VDS) 3% Tolerances 0% - +30% AFFF (VDS) 3% Tolerances 0% - +30% ARC (VDS)	6% (limited flow to max 4000 l/min)
Weight	47 kg	
Installation requirements	The proportioner can be installed in any position. In- and outlet piping to same diameter as the proportioner Straight pipe should be 3 x DN at inlet. Outlet piping to same specification as inlet, but no requirements for straight pipe length.	

* Any valves put in front of the foam inlet that have a cracking pressure or gives a significant resistance must be considered. The minimum foam inlet pressure must be increased accordingly.

Example:

A valve with cracking pressure or resistance of 2 bar and a water pressure of 8 bar gives the equation of minimum foam pressure of $8+2+1=11$ bar. Maximum $8+2+10=20$ bar

Note:

At flow rates less than 600 l/min the insertion tolerance is 0% - +50%