

(replaces datasheets 1010/21 and 22)

General description

An accurate proportioner for foam concentrate, irrespective of flow and pressure variations, is vital for the correct performance of a foam system.

The new Skum TPW proportioners provide more accurate proportioning, a wider flow range with a lower line pressure drop than the Mk1 versions.

Application description

This type of proportioner is used in bladder tank systems. The TPW series is designed for use in closed head sprinkler systems or where large flow variations occur.

Product features

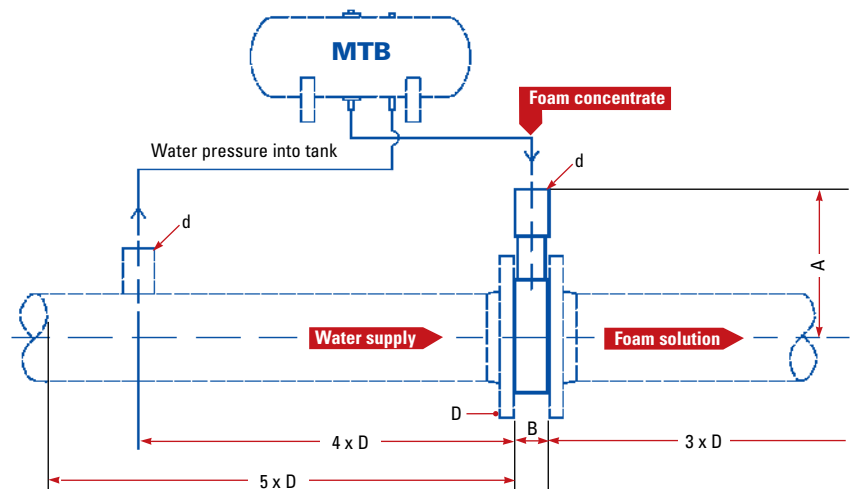
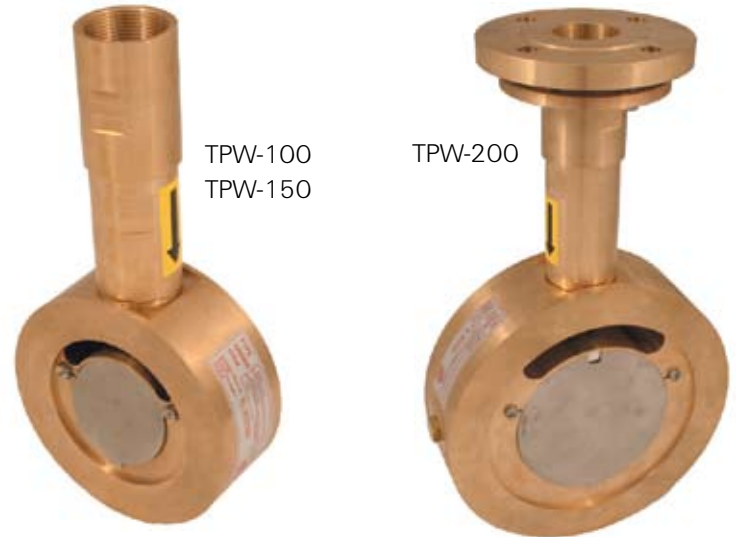
- Designed to meet the requirements of EN 13565-1 and NFPA 16 Ch 4
- Maximum/minimum flow rate ratio of 120:1
- Corrosion resistant design
- Factory set to deliver accurate foam proportioning up to 6%
- Wafer type water connection
- Maintenance free construction
- Compact design

Connections

- Water: Wafer mounted between flanges, see table
- Foam: Flanged to fit DIN or ANSI 150 lbs or screw-threaded BSP, see table

Listings and approvals

- Tested according to and complying with EN 13565-1
- Det Norske Veritas (DNV)
- Bureau Veritas (BV)
- Factory Mutual (FM); TPW-150
- Russian Academy
- Russian Maritime Register of Shipping (RMRS)



Bladder Tank Proportioner - Mk2

TPW

Datasheet 1010/45

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(replaces datasheets 1010/21 and 22)

Installation

The tank proportioner is designed to fit between flanges and is only to be used with a bladder tank system.

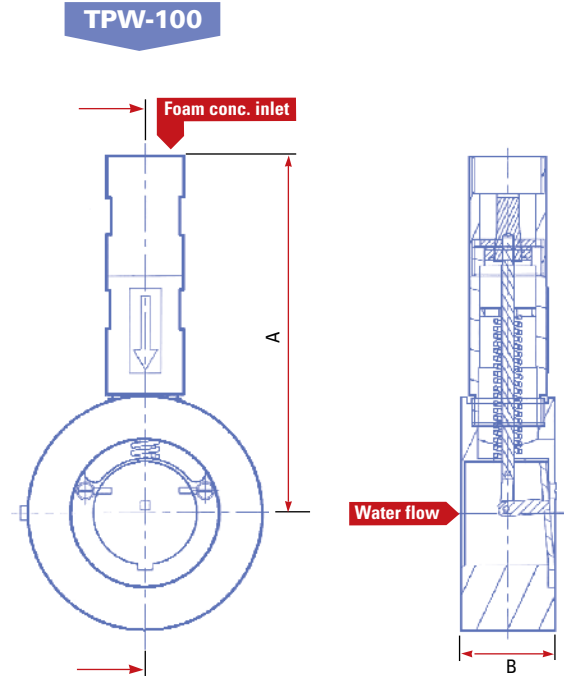
A minimum of five diameters (D) of straight pipe is required in the water line before entering the proportioner and three diameters (D) after the proportioner. Minimum distance for water pressure into tank upstream of the TPW is four diameters (D) and maximum distance is 10 meters.

Order information

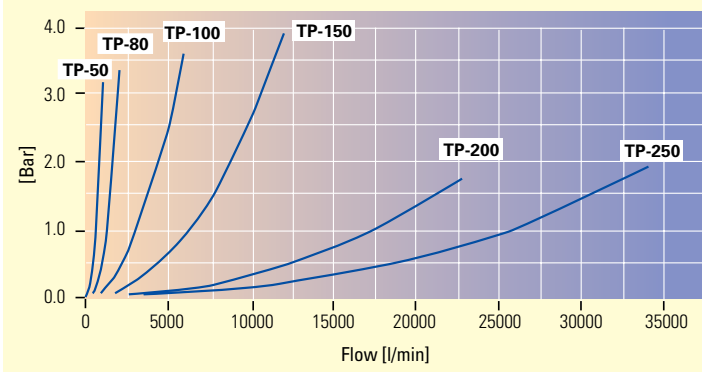
Description	Part No.	Description	Part No.
TPW-100 BSP 3% AFFF	124510005A	TPW-150 BSP 2%	124515006E
TPW-100 BSP 3% AR	124510005C	TPW-150 BSP 1%	124515006B
TPW-100 BSP 2%	124510005E	TPW-200 DIN/ANSI 3% AFFF	124520104A
TPW-100 BSP 1%	124510005B	TPW-200 DIN/ANSI 3% AR	124520104C
TPW-150 BSP 3% AFFF	124515006A	TPW-200 DIN/ANSI 2%	124520104E
TPW-150 BSP 3% AR	124515006C	TPW-200 DIN/ANSI 1%	124520104B

Matrix for Foam Concentrate Mix

AFFF/P/FP 3%	AFFF/AR 1%	AR AFFF 3%	HotFoam 2%	AFFF/AR 6%
A	B	C	E	J



Pressure Drop



Performance Data

Type	Connection		Capacity				Weight		Dimensions		Max. Working Pressure		Materials
			Min.		Max.		kg	lbs	A	B	bar	psi	
	d*	D	l/min	USGPM	l/min	USGPM							
TPW-100	1 1/2" BSP female and Grooved 50 / 2"	100 / 4"	100	26	5000	1320	13	29	239	62	16	235	Bronze (Cu88Sn12)
TPW-150	1 1/2" BSP female and Grooved 50 / 2"	150 / 6"	100	26	12000	3170	16	35	260	62	16	235	Bronze (Cu88Sn12)
TPW-200	50 / 2"	200 / 8"	175	46	18000**	4756	33	73	337	82	16	235	Bronze (Cu88Sn12)

*Flanges to fit DIN PN16 or ANSI 150 lbs 1 bar = 0.1 MPa = 14.5 psi ** Max capacity reduced at 6% foam mixing rate



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