

Product name	TPW MK2
Description	Foam agent proportioner
Manufacturer	SKUM
Revision	1.0/2024



TPW-100
TPW-150

TPW-200

1. Description

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

SKUM TPW Mk2 proportioners provide more accurate proportioning and a wider flow range with a lower line pressure drop than the Mk1 versions.

2. Application

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.

3. 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 materials
- Factory set to deliver accurate foam proportioning up to 2% or 3%
- Wafer-type water connection
- Maintenance-free compact design

4. Connections

- Water: Wafer mounted between flanges
- Foam: Flanged to fit DIN or ANSI 150 lb or screw-threaded BSP. See the Performance Data table

5. Operation

Fully automatic foam proportioning within the flow pressure range.

6. Installation

The tank proportioner fits between flanges and can be used only with a bladder tank system.

Minimum requirements:

- 5 diameters (D) of straight pipe is required in the water line before entering the proportioner
- 3 diameters (D) of straight pipe after the proportioner
- 4 diameters (D) of straight pipe for water pressure into the tank upstream of the TPW
- The maximum distance is 10 m

7. Listings, Approvals

- PN-EN 13565-1:2019**
- Det Norske Veritas (DNV)
- Factory Mutual (FM) TPW-150
- Russian Maritime Register of Shipping (RMRS)
- National Assessment and Verification of Constancy of Performance CNBOP-PIB No. 063-UWB-0177 for TPW 150**

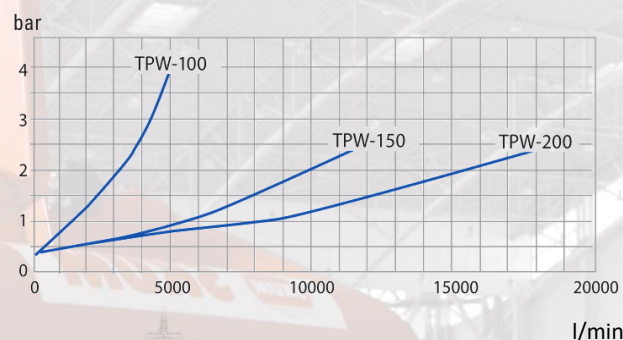


8. Order Information

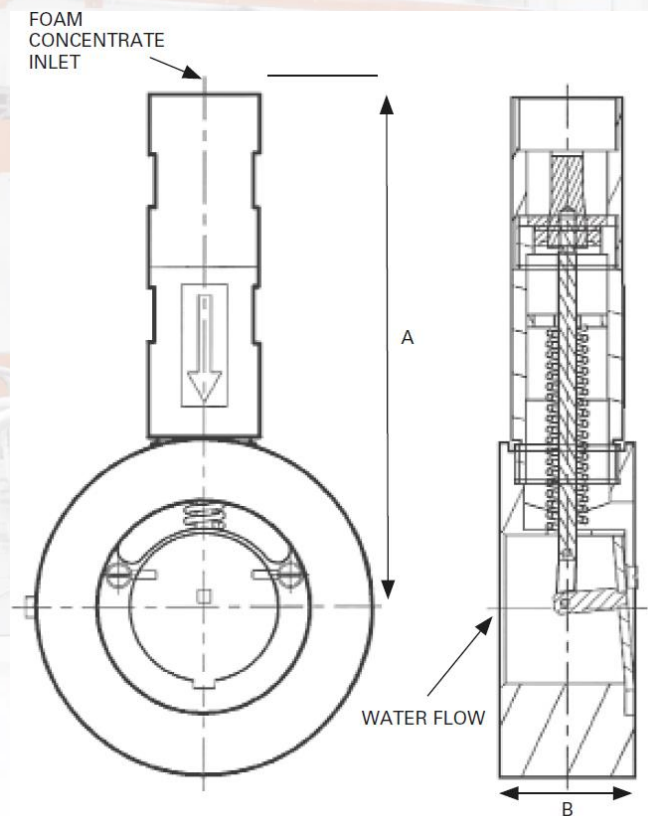
W ramach zamówienia, należy wyszczególnić następujące informacje:

- Part Number
- Size
- Foam proportioning percentage
- Foam type

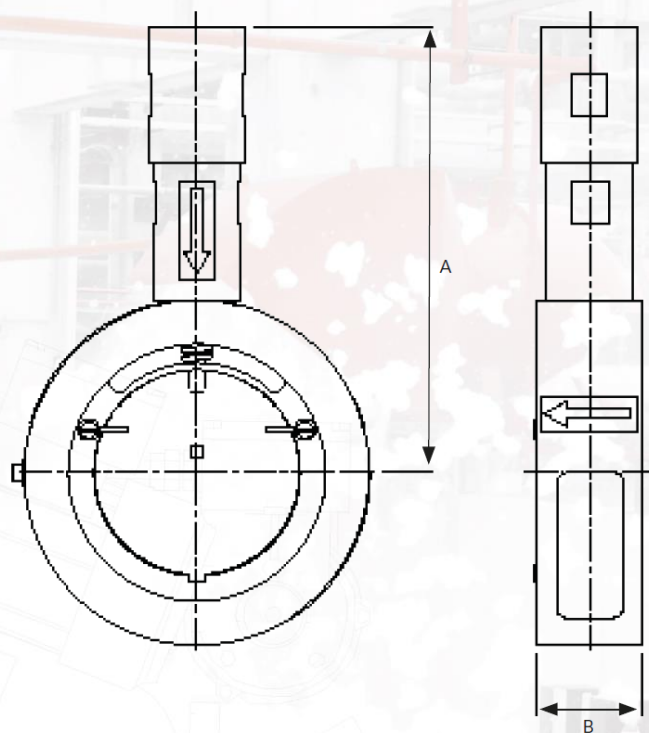
9. Pressure Drop



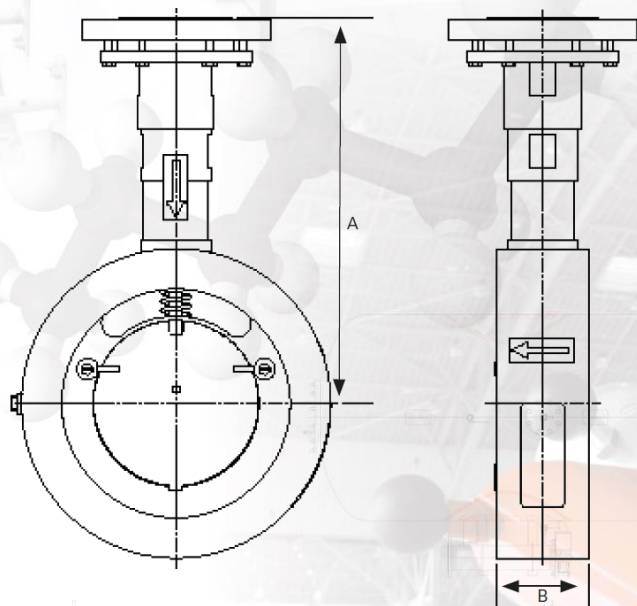
TPW-100



TPW-150



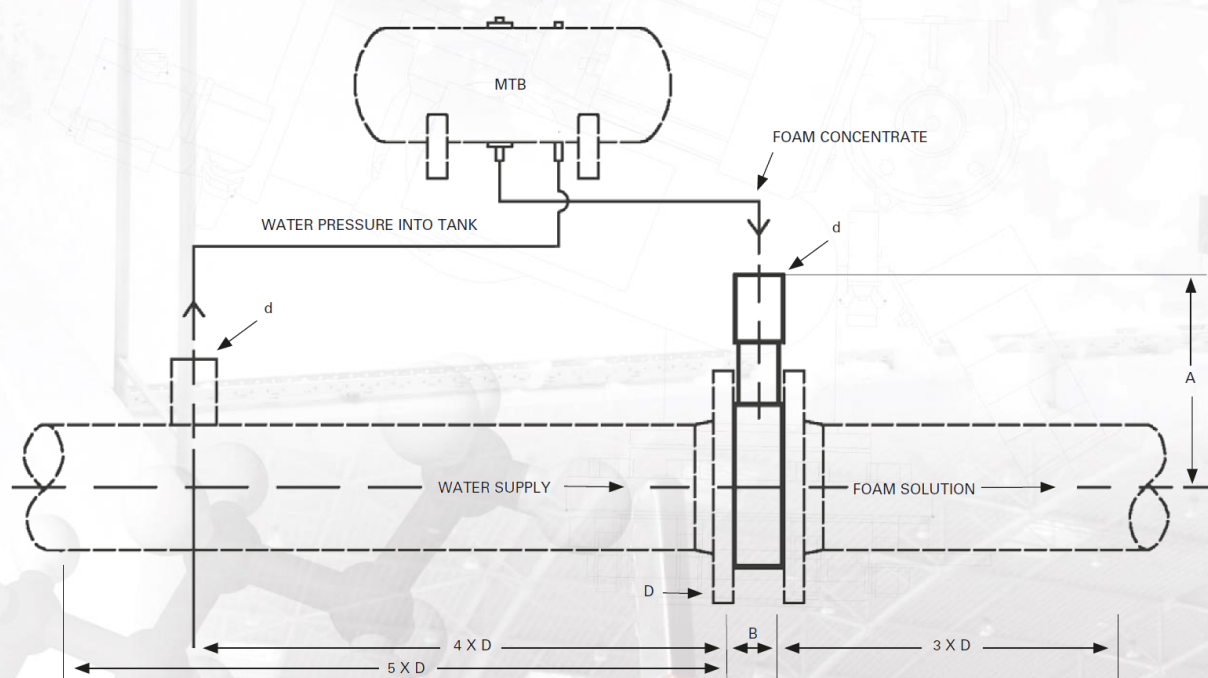
TPW-200



TPW MK2 - DIMENSIONS		
Type	A [mm]	B [mm]
TPW - 100	239	62
TPW - 150	260	62
TPW - 200	337	82

10. Performance Data

TYPE	Connection		Flow		Weight	Dimensions (mm)		Max work pressure	Material
			Min.	Max.					
	Foam	Water	l/min	l/min	kg	A	B	bar	
TPW - 100	1 ½ BSP female. or grooved DN 50 (2")	100 / 4"	100	5000	13	239	62	16	Brąz (Cu88Sn12)
TPW - 150	1 ½ BSP female. or grooved DN 50 (2")	150 / 6"	100	12000	16	260	62	16	Brąz (Cu88Sn12)
TPW - 200	DN50 / 2"	200 / 8"	175	18000	33	337	82	16	Brąz (Cu88Sn12)



11. Order Information

Part no	Description	Connection	Foam type
124510005A	TPW-100	BSP	3% AFFF
124510005C	TPW-100	BSP	3% AR-AFFF 3% NFF 3% AR-SFFF
124510005E	TPW-100	BSP	2%
124515006A	TPW-150	BSP	3% AFFF
124515006C	TPW-150	BSP	3% AR-AFFF 3% NFF 3% AR-SFFF
124515006E	TPW-150	BSP	2%
124520104A	TPW-200	DIN/ANSI	3% AFFF
124520104C	TPW-200	DIN/ANSI	3% AR-AFFF 3% NFF 3% AR-SFFF
124520104E	TPW-200	DIN/ANSI	2%

Foam Type	Suffix
AFFF/P/FP 3%	A
AR-AFFF 3%	C
HotFoam 2%	E