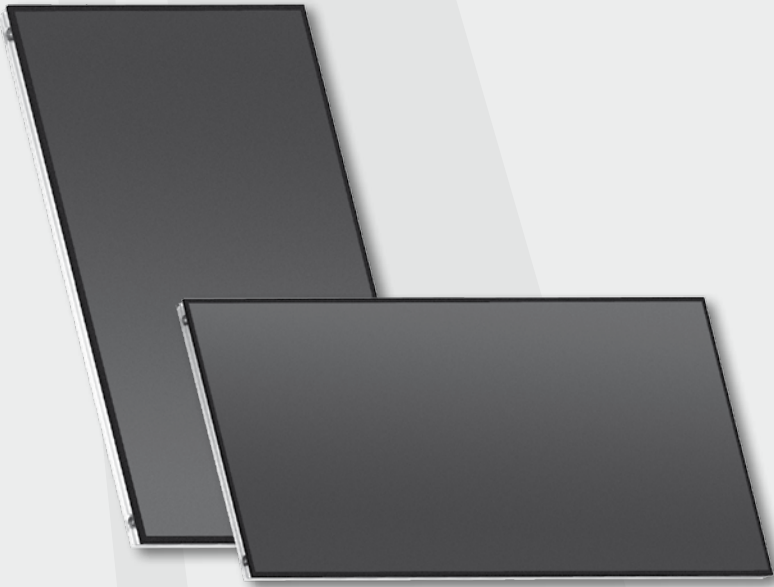


PFM MODULE COLLECTOR

PRODUCT DESCRIPTION

Plug & Flow module collector (PFM):

Can be installed both horizontally and vertically. Suitable mounting systems are available for various types of roofing or with weather-resistant frames for freestanding units. Thanks to its low weight and optimum dimensions, the collector may be installed in no time at all. The internal piping is easy to install and the collectors can quickly be connected to a collector array in a few simple actions.



Area of use

- In-roof mounting
- On-roof mounting
- Freestanding

Product benefits

- Keymark tested collector
- High-performance absorber – complete meander pipe is welded to the absorber metal (incl. elbows), higher efficiency through greater thermal length
- CMT welded collector pan
- Long service life, robust, temperature- and weather-resistant design
- Fast and easy installation using hydraulic connections
- Very low profile construction (62 mm)
- Silicone-sealed glass pane with cover strip
- Enlarged aperture area with the same gross area

SPECIFICATIONS

Type	PFM-S 2,01	PFM-W 2,01	PFM-S 2,55	PFM-W 2,55	PFM-S 3,30	PFM-W 3,30
Item no.	1430683	1430684	1430685	1430686	1430687	1430688
Gross area	2.012 m ²	2.012 m ²	2.555 m ²	2.555 m ²	3.312 m ²	3.312 m ²
Aperture area	1.892 m ²	1.892 m ²	2.417 m ²	2.417 m ²	3.146 m ²	3.146 m ²
Absorber area	1.865 m ²	1.865 m ²	2.384 m ²	2.384 m ²	3.108 m ²	3.108 m ²
External dimensions (H x W x D)	1.702 x 1.182 x 0.062 m	1.702 x 1.182 x 0.062 m	2.162 x 1.182 x 0.062 m	1.182 x 2.162 x 0.062 m	2.802 x 1.182 x 0.062 m	1.182 x 2.802 x 0.062 m
Weight approx.	33 kg	33 kg	42 kg	42 kg	53 kg	53 kg
Solar fluid volume, approximately	1.4 l	1.4 l	1.7 l	2.2 l	1.9 l	2.8 l

Product description

Design	Modular flat collector for simple in-roof, on-roof and freestanding installation for collector angles from 15°-70°.
Housing	Weather-resistant with aluminium rear panel guarantees long service life and high reliability (max. snow load pressure 300 kg/m ²)
Insulation	25 mm mineral wool, nominal bulk density approx. 25 kg/m ³ , emission-free, non-flammable - A1 (EN13501), SPF tested
Absorber	Full-area laser-welded meander absorber (incl. elbow welding) with high-selectivity PVD coating, meandering flow, best solar yield guaranteed
Collector sealing	Panel bonding with temperature and UV resistant 2-component silicone seal, emission-free Additional mechanical bonding of the glass by cover strip
Connections	4 connections copper 22 mm with expansion of pipe end
Permissible operating pressure	10 bar
Efficiency	See Test Reports

PFM MODULE COLLECTOR

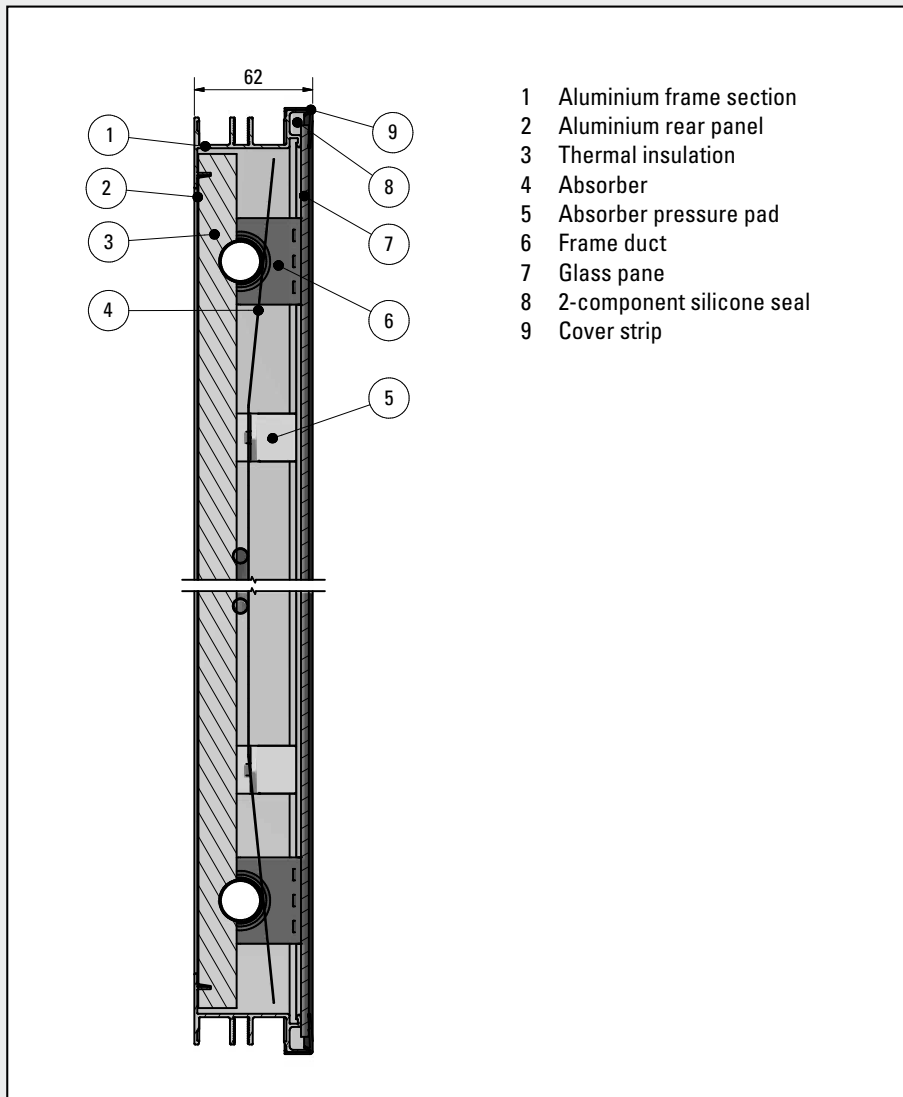


ON-ROOF AND FREESTANDING INSTALLATION DIMENSIONS

	Quantity	1 PFM	2 PFM	3 PFM	4 PFM	5 PFM	6 PFM	7 PFM	8 PFM	9 PFM	10 PFM
Height (m)	PFM-S 2,01	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
	PFM-W 2,01	1.19	1.19	1.19	1.19	1.19	1.19	1.19	-	-	-
	PFM-S 2,55	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
	PFM-W 2,55	1.19	1.19	1.19	1.19	1.19	1.19	-	-	-	-
	PFM-S 3,30	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
	PFM-W 3,30	1.19	1.19	1.19	1.19	-	-	-	-	-	-

	Quantity	1 PFM	2 PFM	3 PFM	4 PFM	5 PFM	6 PFM	7 PFM	8 PFM	9 PFM	10 PFM
Width (m)	PFM-S 2,01	1.19	2.38	3.57	4.76	5.95	7.15	8.34	9.53	10.72	11.91
	PFM-W 2,01	1.71	3.42	5.13	6.84	8.55	10.27	11.98	-	-	-
	PFM-S 2,55	1.19	2.38	3.57	4.76	5.95	7.15	8.34	9.53	10.72	11.91
	PFM-W 2,55	2.17	4.34	6.51	8.68	10.85	13.03	-	-	-	-
	PFM-S 3,30	1.19	2.38	3.57	4.76	5.95	7.15	8.34	9.53	10.72	11.91
	PFM-W 3,30	2.81	5.62	8.43	11.24	-	-	-	-	-	-

HORIZONTAL SECTION



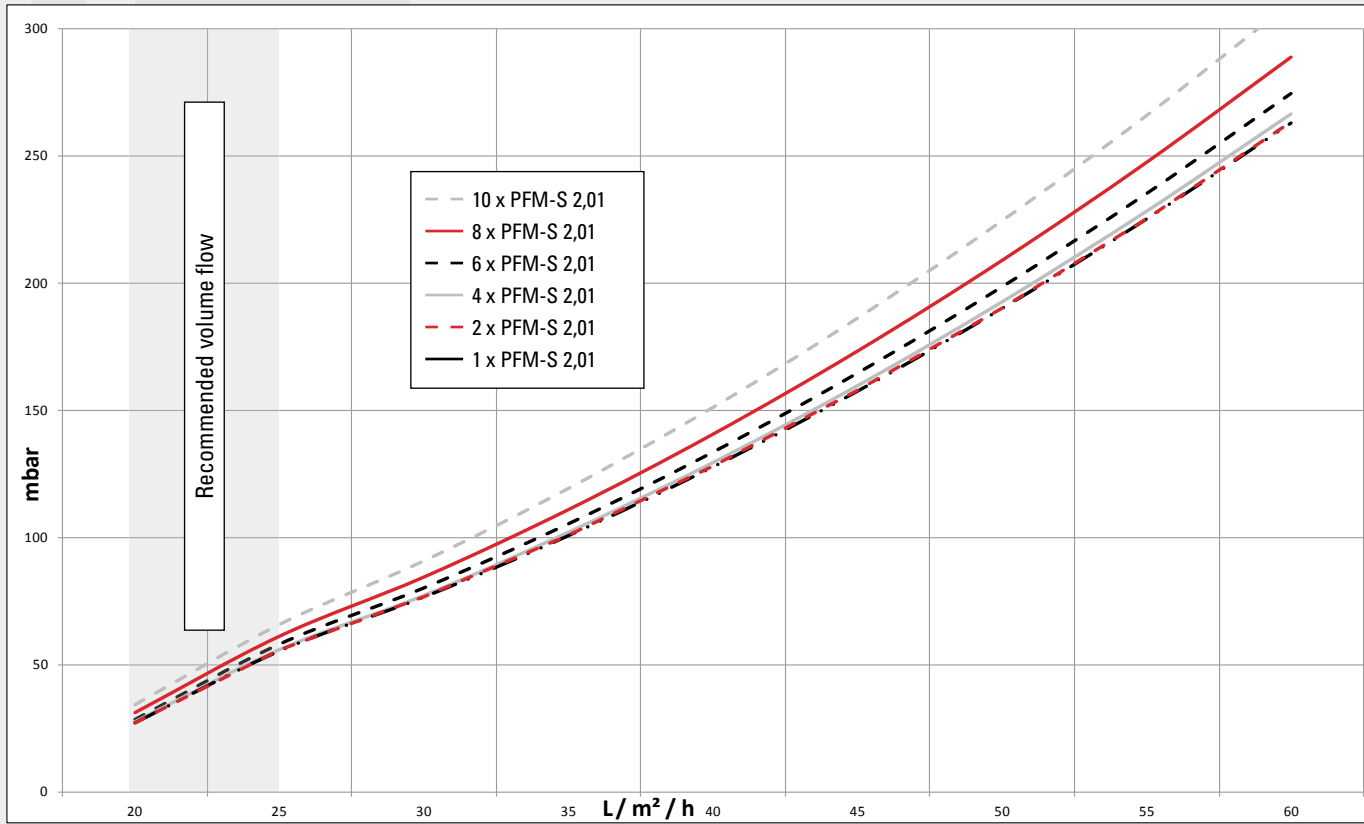
- 1 Aluminium frame section
- 2 Aluminium rear panel
- 3 Thermal insulation
- 4 Absorber
- 5 Absorber pressure pad
- 6 Frame duct
- 7 Glass pane
- 8 2-component silicone seal
- 9 Cover strip

PFM MODULE COLLECTOR

PRESSURE LOSS

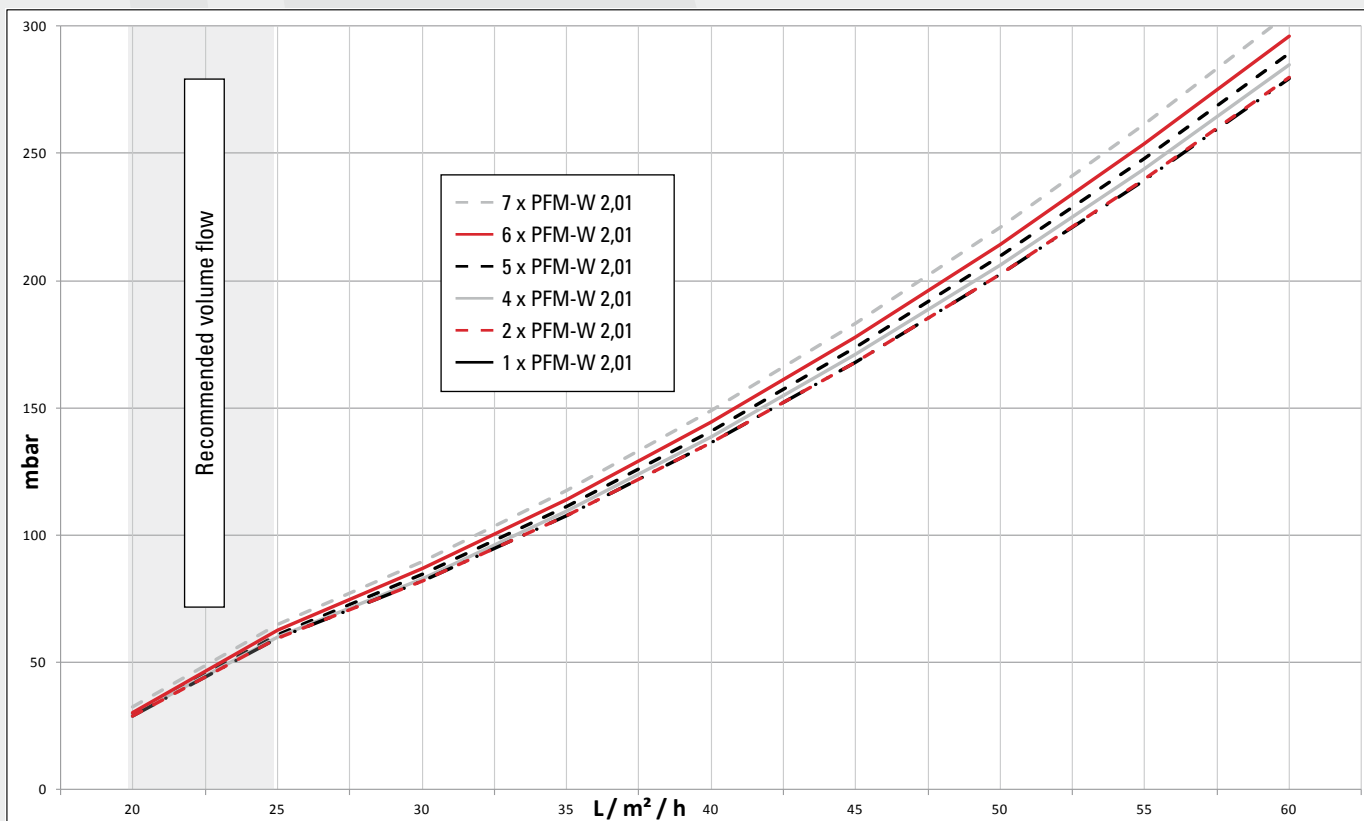
PFM-S 2,01 pressure loss

Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend



PFM-W 2,01 pressure loss

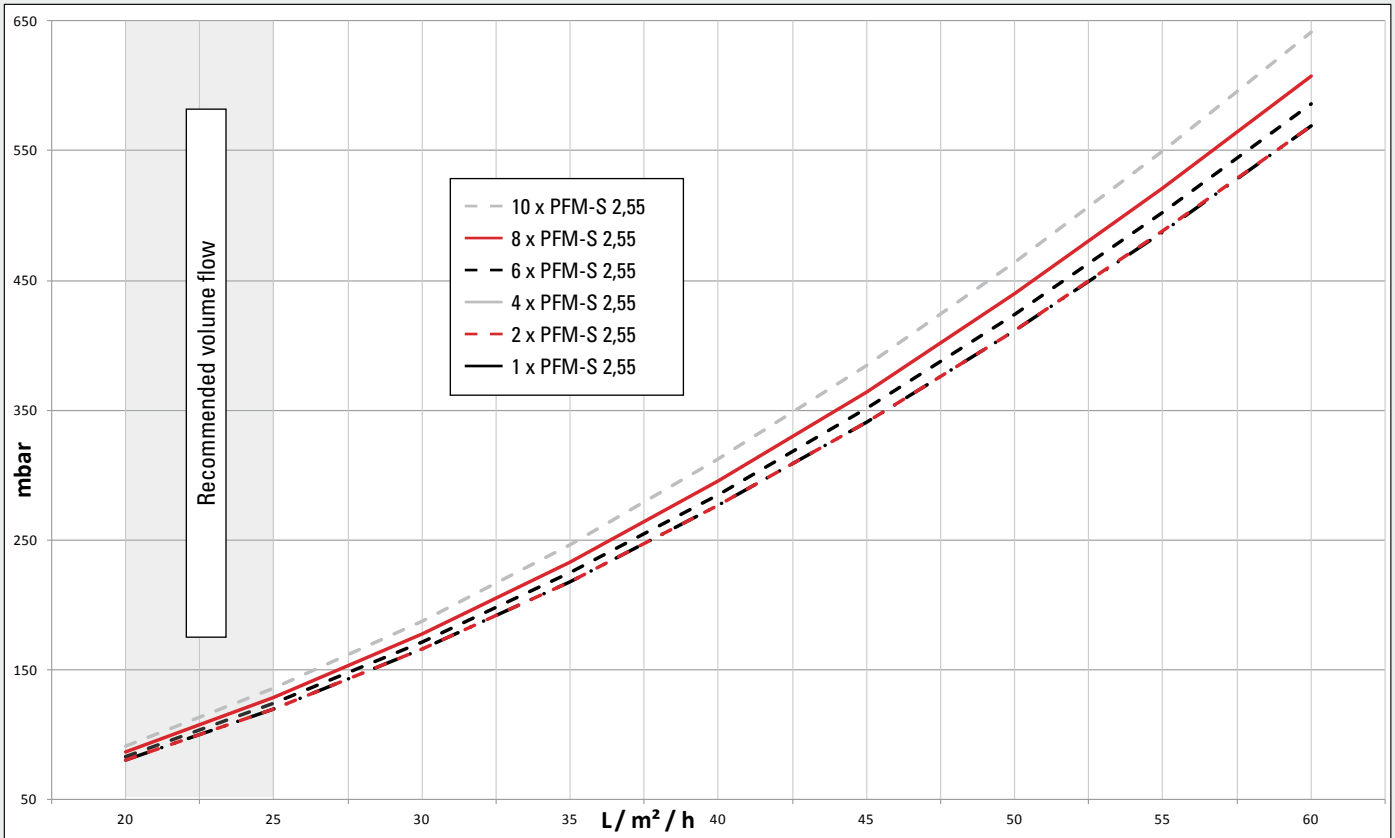
Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend



PRESSURE LOSS

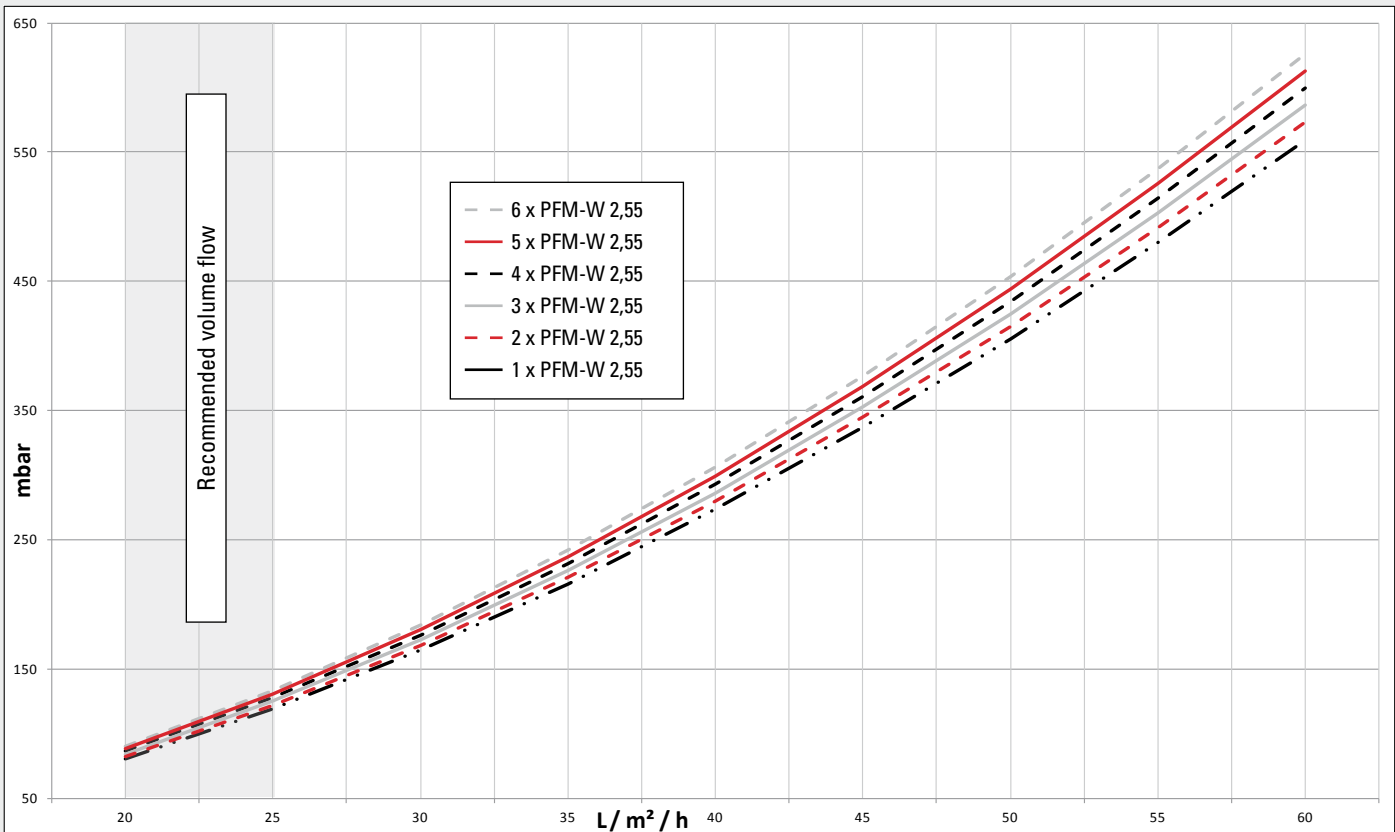
PFM-S 2.55 pressure loss

Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend



PFM-W 2.55 pressure loss

Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend

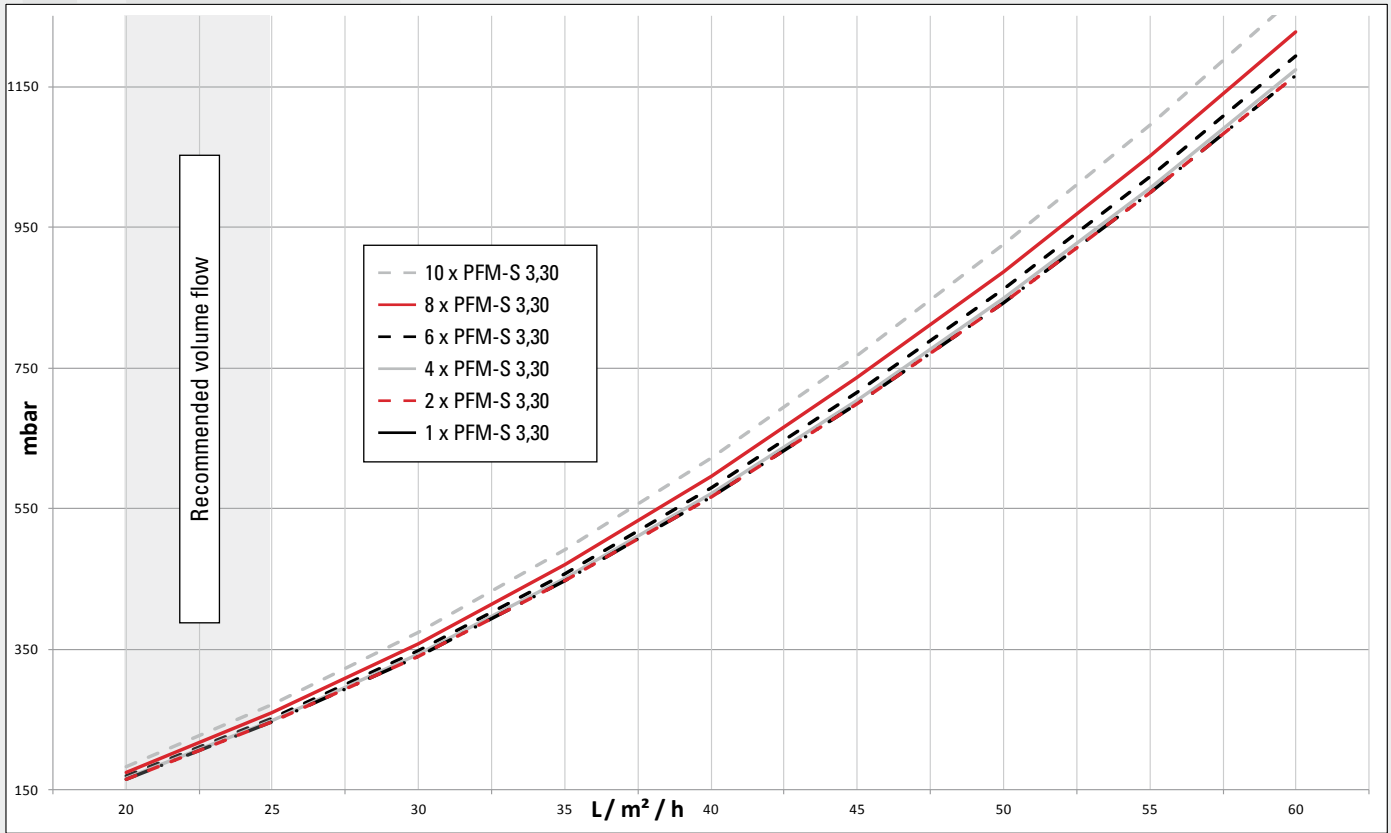


PFM MODULE COLLECTOR

PRESSURE LOSS

PFM-S 3,30 pressure loss

Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend



PFM-W 3,30 pressure loss

Original TiSUN® antifreeze mixture (40% polypropylene glycol), medium temperature 60 °C, gross area as legend

