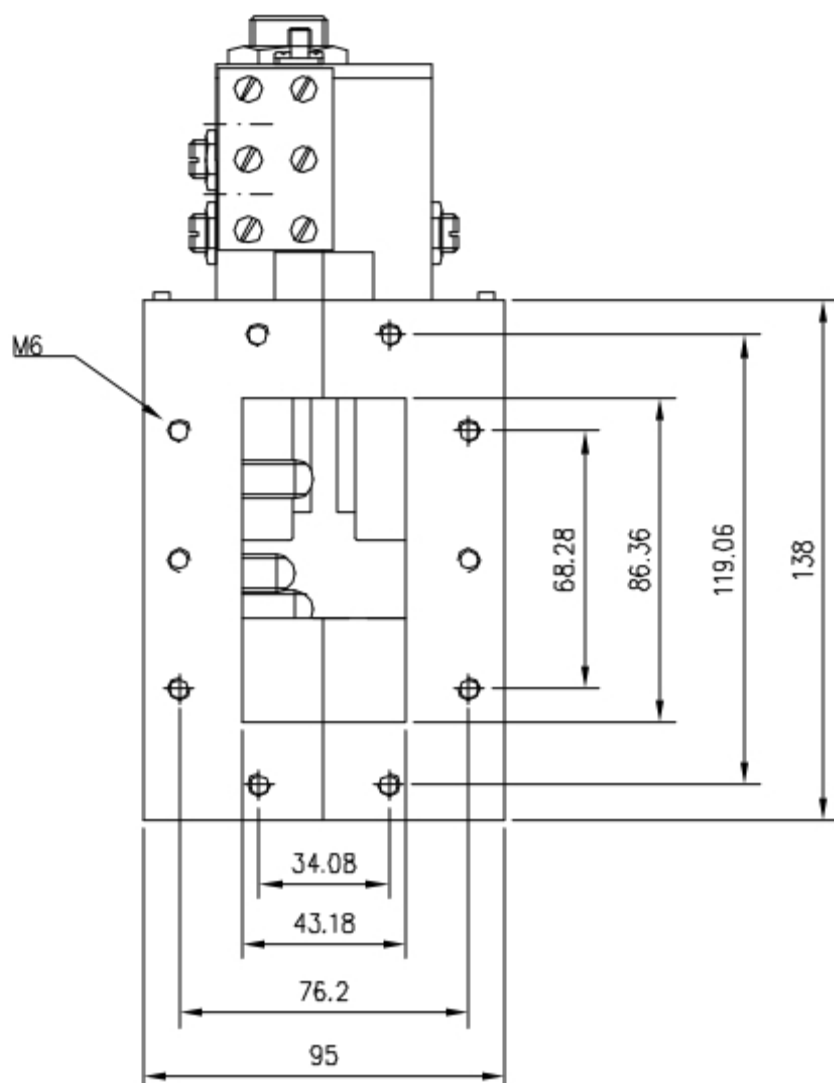


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WATER LOAD



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WATER LOAD

Specification

Frequency	:	2425 ... 2475 MHz
Isolation	:	23 dB min
Insertion loss	:	0.15 dB max
Return loss	:	23 dB min
Power (forward)	:	3 kW cw
Monitor coupling	:	-60 ±0.5 dB (@ 40°C)
Power (reflected)	:	3 kW cw
Monitor coupling	:	-60 ±0.5 dB (@ 40°C)
RF leakage	:	< 0.5 mW/cm ² (5 cm distance)
Water inlet temperature	:	+10 ... +40 °C
Water outlet temperature	:	+50 °C max
Storage temperature	:	-10 ... +70 °C
Static water pressure	:	600 kPa max
Waveguide type	:	153 IEC-R 26
Mating flange drilled to	:	154 IEC-PDR 26
Monitor connector	:	SMA female
Water connection	:	G 1/4"
Mounting position	:	any
Material	:	Aluminum alloy
Finish	:	clear
Mass	:	4.3 kg
Dimensions	:	181 x 220 x 95 mm

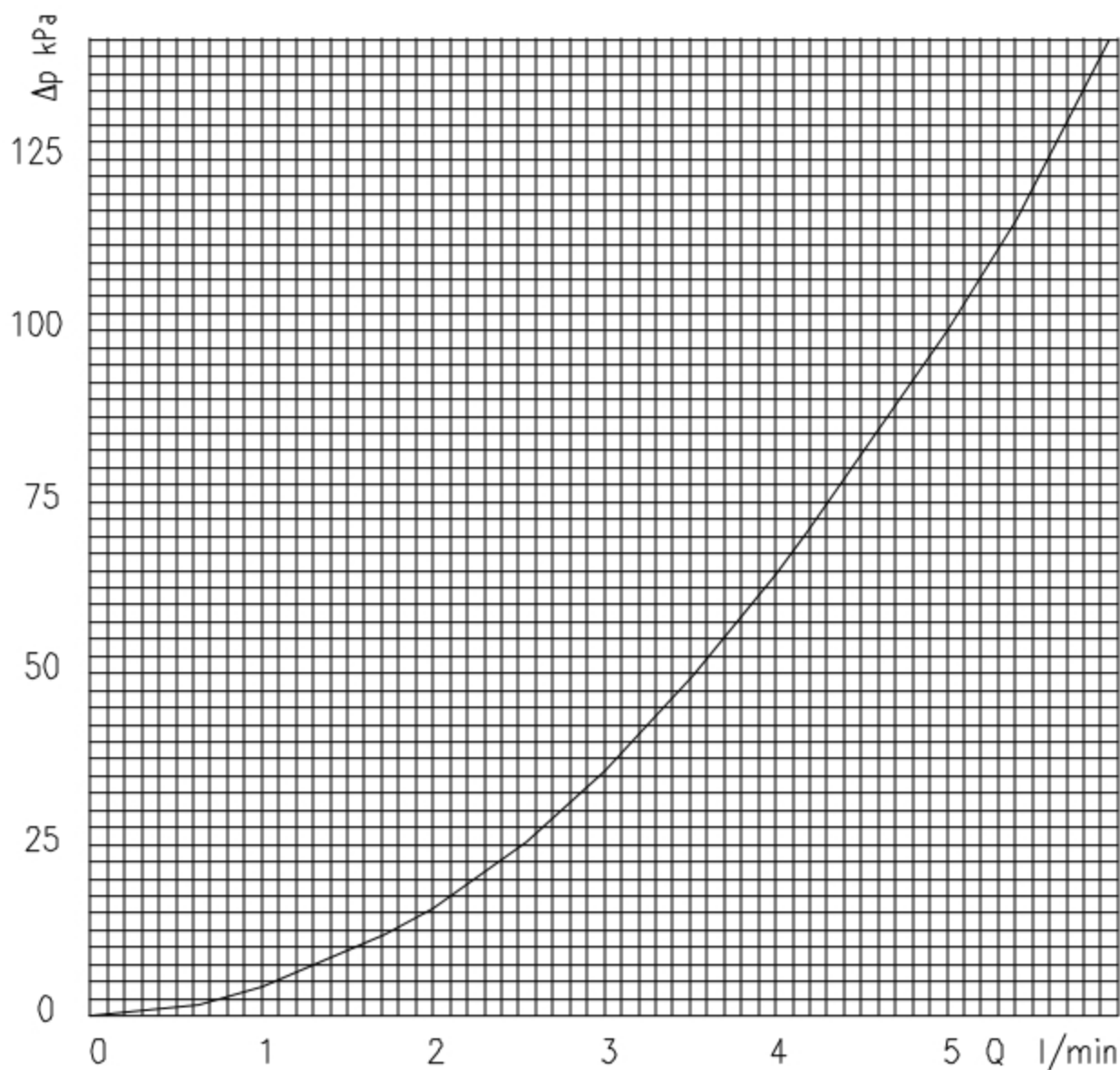
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WATER LOAD

Pressure drop vs water flow



Required water flow Q (power & water input temperature):

$$Q \text{ (l/min)} = 0.5 + \frac{14.4 \cdot P \text{ (kW)}}{50 - T \text{ (}^\circ\text{C)}}$$

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WATER LOAD