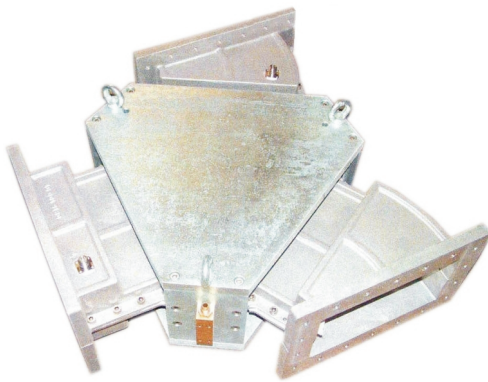




Industrial Microwave +
Plasma Systems

MUEGGE

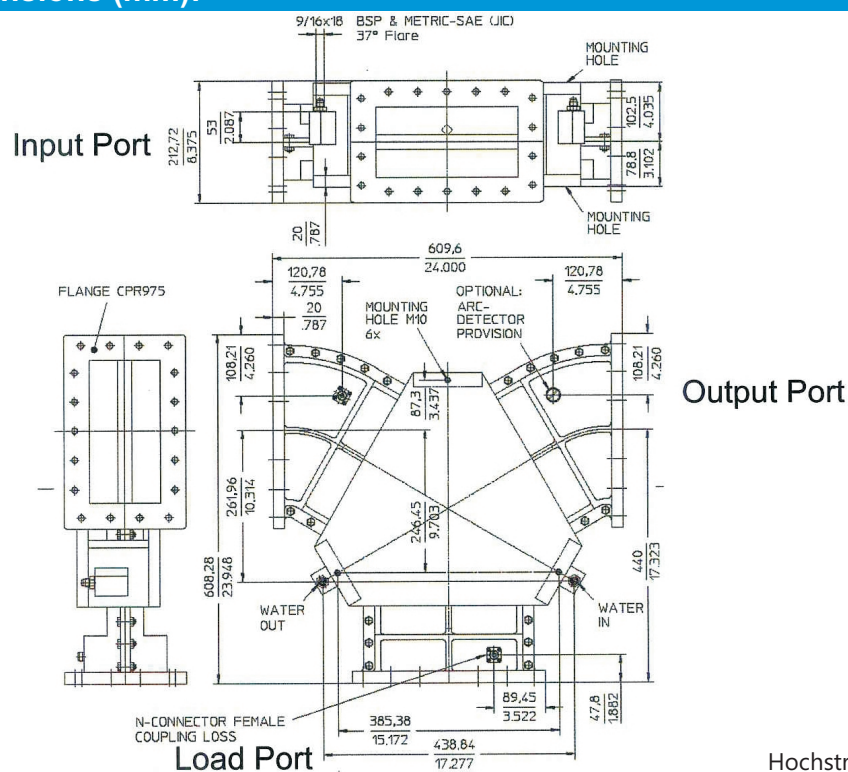
Circulator 1200197

Waveguide Components (100 kW / 915 MHz / WR 975)

Features:

- High power
- High efficiency
- High reliability
- Low insertion loss

Outline Dimensions (mm):



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Circulator 1200197

Industrial Microwave +
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Specifications:

Frequency:	915 MHz +/-5 MHz
Configuration:	3 Port, T-Type
Power (forward):	Max. 100 kW cw
Power (reflected):	Max. 90 kW cw (at any phase)
Return Loss:	Min. 23 dB (min. 26 dB at center frequency)
Insertion loss:	Max. 0.15 dB
Isolation:	Min. 23 dB (min. 26 dB at center frequency)
Waveguide:	WR 975
Waveguide flange:	CPR 975
Monitor coupling:	60 dB +/-2 dB (forward and reflected power)
Monitors:	N female (input and load port)
Cooling system:	Demineralized water
Cooling connectors:	9/16" x 18 metric SAE (JIC) 37° flared
Optimum cooling input temperature:	30 °C
Cooling temperature range:	+/-3 °C
Cooling flow:	Min. 900 l/h
Cooling pressure drop:	Max. 2 bar @ 900 l/h
Cooling input pressure:	Max. 6 bar
Ambient temperature range (operation):	10 °C – 40 °C
Ambient temperature range (storage):	0 °C – 60 °C
Relative humidity:	Max. 80 %, no condensation
Dimensions:	610 mm x 609 mm x 213 mm