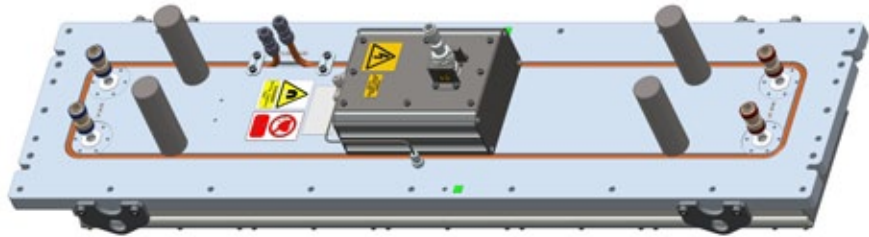


Water Cooling Options

Water connection options for cooling of Gencoa externally mounted rectangular magnetron

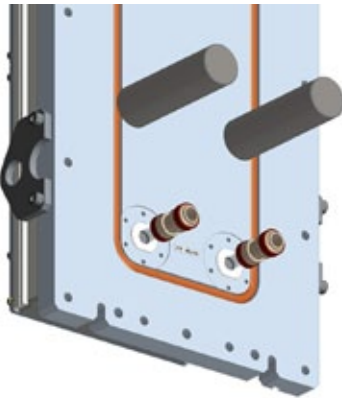
Most rectangular magnetrons are provided with two water-in and two water-out connections for cooling the cathode during operation.

Illustrated below are the various options for water connections on rectangular magnetrons manufactured by Gencoa.



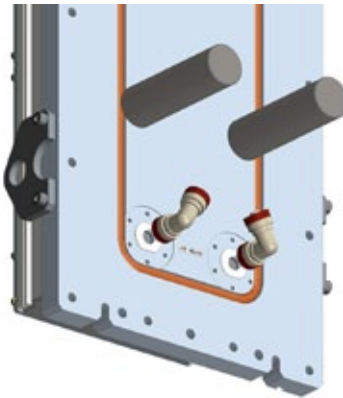
Rectangular magnetron with two water-in/out connections

Push-in straight



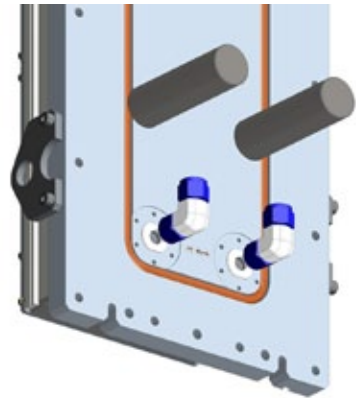
Flow rate	40 l/min
Tube size	1/2" OD
Power	AC, DC, Pulsed DC

Push-in elbow



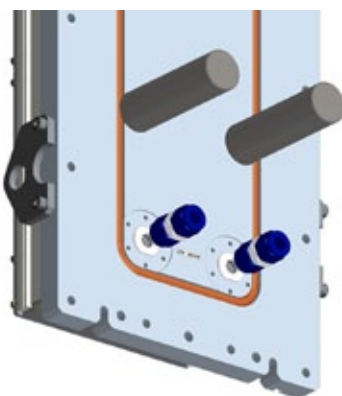
Flow rate	20-25 l/min
Tube size	1/2" OD
Power	AC, DC, Pulsed DC

Swagelok PFA elbow



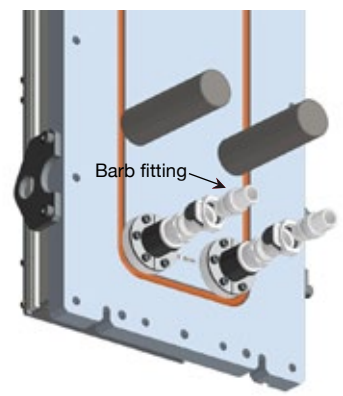
Flow rate	20 l/min
Tube size	1/2" OD
Power	AC, DC, Pulsed DC

Swagelok PFA fitting straight



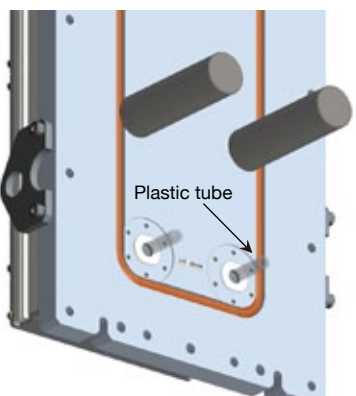
Flow rate	40 l/min
Tube size	1/2" OD
Power	AC, DC, Pulsed DC, RF

Quick release auto-shutoff straight



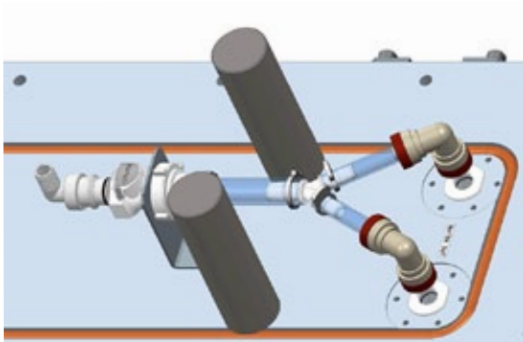
Flow rate	80 l/min
Tube size	3/4" ID
Power	AC, DC, Pulsed DC

Plastic tube to suit customer length



Flow rate	40 l/min
Tube size	1/2" OD
Power	AC, DC, Pulsed DC, RF

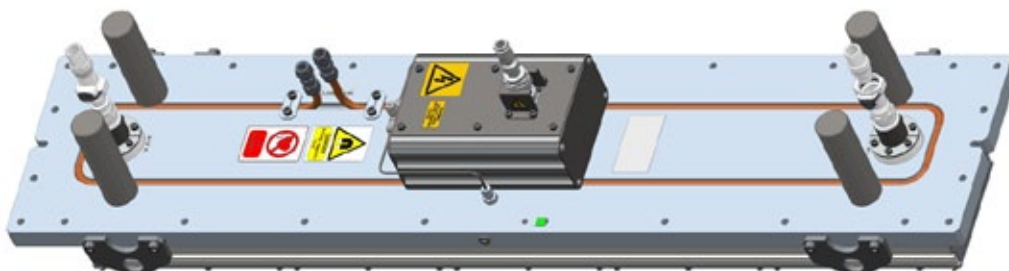
Quick release auto shut-off Y type



Flow rate	
1/2" OD	12-14 l/min
3/4" OD	20 l/min
Tube size	1/2" OD, 3/4" OD
Power	AC, DC, Pulsed DC

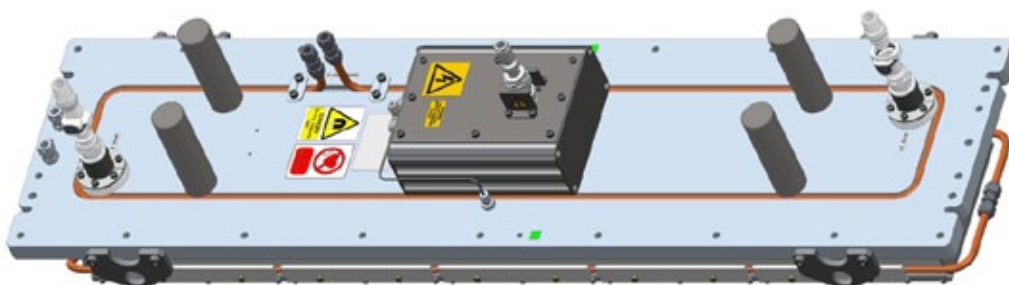
Single-in single-out connection ($\leq 75\text{mm}$ target width)

Above-cathode cooling design is used for magnetrons with a width of up to 75mm. Gencoa can provide different connector types for this option.



Single-in single-out offset connection ($\geq 100\text{mm}$ target width)

Gencoa can also provide magnetrons with one water in and one water out (offset) connection for small magnetrons (100-150mm width and 500mm max length) and working power of up to 6 kW. Different connector types can be used for this arrangement.



IMPORTANT: FOR SAFETY REASONS, ALL WATER FITTINGS ON GENCOA RECTANGULAR MAGNETRONS ARE MADE USING INSULATING MATERIAL, AND SHOULD NOT BE REPLACED WITH OTHER TYPES OF CONNECTORS