



The new WBB has a new flow sensor which offers enhanced features such as on board temperature monitoring, I/O Link communication, and multi colour display.

The new design is a running change to our standard WBB and eliminates the need for an additional external temperature switch and special adapter.

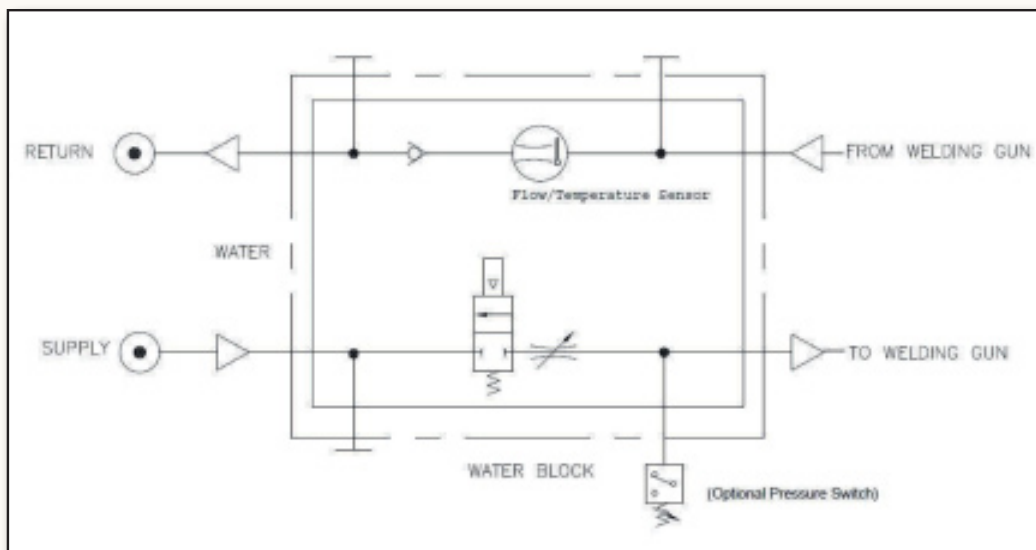
The new sensor is backward compatible and can be ordered as a replacement kit which will include the corresponding black spacer rings. The sensor follows the same electrical pin out as the previous sensor.

# Waterblock Series WBB



## Designed for Welding Applications

Waterblock is an integrated manifold made from brass that supplies and monitors water to the weld cell. Utilizing a highly sensitive Vortex Flow Sensor to detect leakage or improper supply to the cell, the WBB will provide the essential protection for expensive welding equipment. The system includes both an integrated electronic shut-off along with an internal check valve to assure proper shutdown, should an event occur. System balance is maintained with the input flow restrictor, which allows repeatable setup. Welding control circuit is included into the package to allow cooling control from ONE location. Maintenance is simple due to the unique manifold design allowing removal of all major components without the need to remove the connections to the manifold. Assembled options are available on request.



### Water Service Unit

Supply Return Connection .....	3/4" BSPP / JIC / NPT
Robot Connections .....	3/4" BSPP JIC / NPT
Pressure .....	6 bar (87 PSI)
Operation Temperature .....	-25°C to +80°C
Voltage .....	20 to 30VDC
Check Valve .....	Return Path
Flow .....	.40 Umin (10.6 G/min)

### Performance

Leak Detection .....	< 1 s
Shut-off .....	< 1 00ms
Outputs .....	2 PNP or NPN
Flow Restrictor .....	5 -100% (Approx)

### Materials

Housing .....	Brass
Fittings .....	Brass
Weight .....	Brass: 3.5 kg (7.8 lb)

