



Waterblock Series WBB



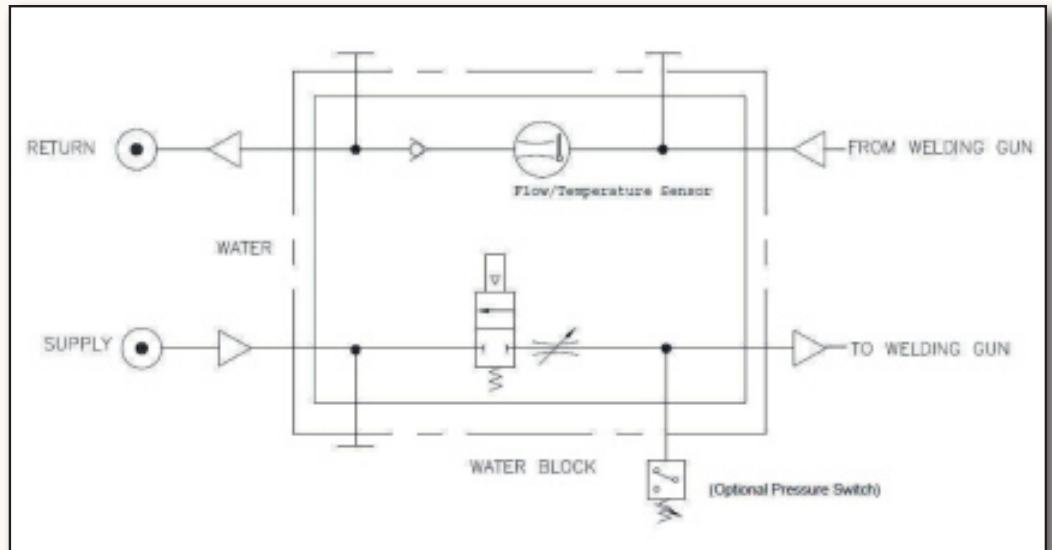
The new WBB has a new flow sensor which offers enhanced features such as on board temperature monitoring, I/O Link communication, and multi colour display.

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.

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
 Flow40 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)

WB B - 1 - C 3 - * X **Bold Items are North American Standard**

Series	Specials as Required
WB Water Distribution Block	X
Material	Engineering Level
B Brass Water Block	B Current Level
Porting	Flow Sensor
1 BSPP	3 40L/min Integrated Temperature and I/O Link
3 JIC *	5 40L/min Integrated Temperature and I/O Link + Pressure Switch
9 NPT **	Electronic Shutoff
C Integrated, 24VDC NC	

* Male JIC uses adapter CDN12F4OMXB
 ** NPT uses adapter 3/4X3/4F4OHGB