CONNECTING YOUR WATER COOLED TIG TORCH

WATER CIRCULATOR

WELDING MACHINE
REGULATOR FLOWMETER
ARGON GAS CYLINDER
WATER RETURN FITTING
WATER CIRCULATOR
TIG TORCH
GROUND CLAMP
GAS HOSE
POWER CABLE — WATER RETURN
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CONNECTING YOUR WATER COOLED TIG TORCH

1 Welding Power Source
2 Regulator/Flowmeter
3 Argon Cylinder
4 Gas Hose with 5/8"-18 Right-Hand Male Thread Fittings at both ends.
5 Water Cooled TIG Torch
6 Power Cable Adapter - 45V11
7 Water Return Hose with 5/8"-18 Left-Hand Fittings at both ends.
8 Coolant-Out of Torch/Power Cable
   • Connect coolant-out of torch/power cable to power cable adapter, and
     connect adapter to weld output terminal.
9 Gas Hose to Torch
10 Water Hose: Cooler to Torch
11 Cooling System
12 Work Clamp
   • Connect work clamp to clean, paint-free location on workpiece, close
to the weld.


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CONNECTING YOUR WATER COOLED TIG TORCH


1. Gas Hose With 5/8"-18 Right-Hand Male Thread Fittings at both ends
2. Regulator/Flowmeter
3. Argon Cylinder
4. Coolant System
5. Water Cooled TIG Torch
6. Coolant-Into Torch Hose
7. Torch Gas Hose
8. Coolant-Out of Torch/Power Cable
9. International Dinse Style Adapter
   • Connect coolant-out of torch/power cable to dinse adapter, and connect adapter to weld output terminal.
10. Water Return Hose off side of Dinse Adapter (Red Hose)

***Note: It may be neccessary to use a make-up hose (40V76) with AW-431 5/8"-18 Left Hand Female to Female Coupler.***
11. Foot Control
12. Welding Power Source
13. Work Clamp
   • Connect work clamp to clean, paint-free location on workpiece, close to the weld.
CONNECTING YOUR WATER-COOLED TIG TORCH


1. Gas Hose With 5/8"-18 Right-Hand Male Thread Fittings at both ends
2. Argon Cylinder
3. Regulator/Flowmeter
4. Power Source
5. Coolant System
6. Torch
7. Coolant-into Torch Hose
8. Coolant-Out of Torch/Power Cable
   • Connect torch coolant-out of torch/ power cable to power cable adapter, and connect adapter to weld output terminal.
9. Torch gas hose
10. Work Clamp
• Connect work clamp to clean, paint-free location on workpiece, close to the weld.
11. Foot Control
***Note: You may need a AW-431 Coupler and make-up Water Hose 40V76 based on your machine style.***

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