

# Water Cooling Units

Unit Keeps Cooling Water Clean.

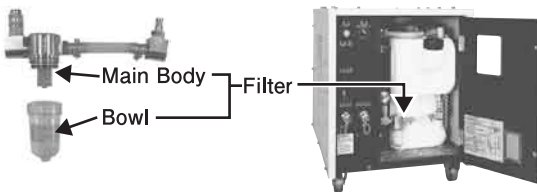


## Features

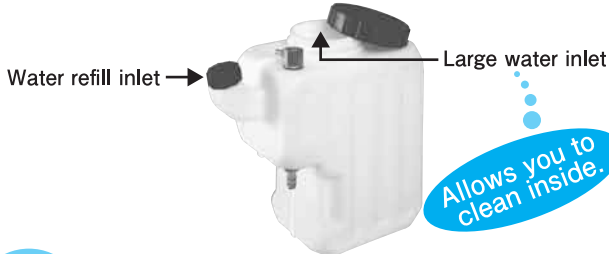
### High Cooling Capacity

200 kJ/min

### Easy Maintenance Without Tools



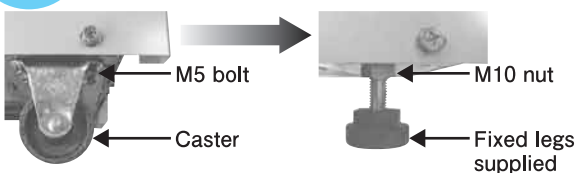
- Easy installation and removal of water tank and filter.
- Easy cleaning of water tank and filter.
- Keeps cooling water clean and reduces pump failures.



### No Priming Necessary

### Equipped with Flow Rate Switch

### Fixed Legs Supplied



Use the fixed legs to place the unit on a welding machine.

## Specifications

Item	Unit	YX-09KGC1	YX-09KGB1
		(Standard Type)	(Insulated Type)
Rated Input Voltage	VAC	380 (YGA) (±10 %) 415 (YJA) (±10 %)	200 (±10 %)
Number of Phases	—	1	
Rated Input Frequency	Hz	50/60	
Rated Input Power	W	230/330	
Coolant Capacity	L	9	
Cooling System	—	Forced Air Cooled Radiator	
Coolant Circulating System	—	Forced Circulation Pump	
Cooling Capacity	kJ/min	200	
Coolant Flow Rate*1	L/min	2.2/2.6	
Coolant Head*1	m	20/25	
Maximum Load	kg	60	
Dimensions (W×D×H)	mm	380×545*2×474	
Weight	kg	31	37

\*1: Panasonic standard 300 A water-cooled TIG torch (4 m) connected.  
\*2: Tank refill inlet not included.

A fixing bracket is required to fix the unit on a Panasonic welding machine.

## Correspondence Table for Welding Machines

Applicable Welding Machine	Water Cooling Unit	
	YX-09KGC1 (Standard Type)	YX-09KGB1 (Insulated Type)
TIG Welding Machines with High Frequency Arc Starting	Yes	Yes

## Supplied Parts

- Fixed legs (with a nut) × 4
- Hose assembly × 1
- Cord assembly (for flow rate switch) × 1
- Glass tube fuse × 1

# Accessories

## ⑤ Connection Cables

For 350GZ4 (optional)

	Model No.	Cable Length	Accessories
1	YV-305GZ4A	5 m (38 mm <sup>2</sup> )	•One power cable •One control cable •One gas hose
2	YV-310GZ4A	10 m (38 mm <sup>2</sup> )	
3	YV-315GZ4A	15 m (38 mm <sup>2</sup> )	
4	YV-320GZ4A	20 m (38 mm <sup>2</sup> )	
5	YV-605GZ4A	5 m (60 mm <sup>2</sup> )	
6	YV-610GZ4A	10 m (60 mm <sup>2</sup> )	
7	YV-615GZ4A	15 m (60 mm <sup>2</sup> )	
8	YV-620GZ4A	20 m (60 mm <sup>2</sup> )	

For 350VR1,350/500GR3 (optional)

	Model No.	Cable Length	Accessories
28	YV-305GR3A	5 m (38 mm <sup>2</sup> )	•One power cable •One control cable •One gas hose
29	YV-310GR3A	10 m (38 mm <sup>2</sup> )	
30	YV-315GR3A	15 m (38 mm <sup>2</sup> )	
31	YV-320GR3A	20 m (38 mm <sup>2</sup> )	
32	YV-610GR3A	10 m (60 mm <sup>2</sup> )	
33	YV-615GR3A	15 m (60 mm <sup>2</sup> )	
34	YV-620GR3A	20 m (60 mm <sup>2</sup> )	
35	YV-810GR3A	10 m (80 mm <sup>2</sup> )	
36	YV-815GR3A	15 m (80 mm <sup>2</sup> )	
37	YV-820GR3A	20 m (80 mm <sup>2</sup> )	

For 400GT3 (optional)

	Model No.	Cable Length	Accessories
28	YV-610GR1A	10 m (60 mm <sup>2</sup> )	•One power cable •One control cable •One gas hose
29	YV-615GR1A	15 m (60 mm <sup>2</sup> )	
30	YV-620GR1A	20 m (60 mm <sup>2</sup> )	
31	YV-810GR1A	10 m (80 mm <sup>2</sup> )	
32	YV-815GR1A	15 m (80 mm <sup>2</sup> )	
33	YV-820GR1A	20 m (80 mm <sup>2</sup> )	

## ⑥ Gas Regulators



YX-25AD1



YX-20CH1

No.	Model	Weld Process	Gas Flow Rate (L/min)	Accessories
1	YX-25AD1	CO <sub>2</sub> /MAG/MIG	25	
2	YX-25CC1	CO <sub>2</sub>	25	YX-01GB1 (Buzzer)
3	YX-503A	Aluminum MIG	50	

## Water Cooling Units



YX-09KGC1 series

### ◆Features

- High cooling capacity (200 kJ/min)

- No priming water required

Cascade pump eliminates the need for priming water.

- Easy maintenance

No tools are required to replace coolant.

Tank and filter are easily removable, which makes for easy cleaning to reduce pump problems.

		YX-09KGC1YGA	YX-09KGC1YJA
Rated Input Voltage	V	380 (±10 %)	415 (±10 %)
Phase	—	Single phase	
Rated Frequency	Hz	50/60 (common)	
Rated Input Capacity	W	230/330	
Coolant Capacity	L	9	
Cooling Method	—	Forced air-cooled radiator	
Coolant Circulating System	—	Forced circulation pump	
Cooling Capacity	kJ/min	200	
Coolant Flow Rate	L/min	2.2/2.6	
Coolant Head	m	20/25	
Maximum Load	kg	60	
Dimensions (W×D×H)	mm	380×545×474	
Weight	kg	36	

The depth (D) does not include the water inlet of the tank.