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Facts

Standard:

IEC 60529 A2
(DIN 40050-9 IPx9K)
(ISO 20653 IPx9K)

Components:

-

Weight:

-

Dimensions:

-

Supply

3x400 V
(Water)

Article numbers:

Water supply unit:
4068101 - 50 liters
4068102 - 100 liters
4068103 - 150 liters

Heating options:

4068111 - 3 kW
4068112 - 6 kW
4068113 - 9 kW
4068114 - 12 kW

4068302 - Handheld nozzle

4068401 - Spray box

4068901 - Force meas. device

The IPX9 Spray Test System 6800 is used to test equipment for resistance to high pressure water jets. During test, hot water is sprayed onto the test object at very high pressure.

The system consists of several parts:
Water supply unit, Model 6810
Hand held spray hose, Model 6830
Spray box, Model 6840
Force measuring device, Model 6890

Technical Specification

Water supply unit

- Provides water at correct flow and temperature (15 l/min, 80°C)
- High pressure water pump
- Heating tank to pre-heat the water
- Combine preferred tank sizes with a suitable heating power option
- Tank sizes: 50, 100 or 150 litres (~3, 6 or 10 minutes of operation)
- Heating power: 3, 6, 9 or 12 kW
- Unique construction with constant water temperature over the full capacity range. (For standard boilers the temperature will drop when the hot water is consumed)

Note: Complete water supply unit must include one heating option



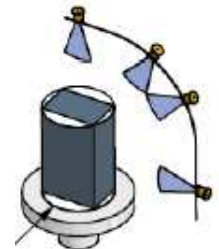
Hand held spray nozzle

- To be connected to the water supply unit
- For testing larger objects (Objects with any dimension ≥ 250 mm)
- Handle with trigger
- Nozzle according to IEC 60529, fig 7
- 10 meters of hose



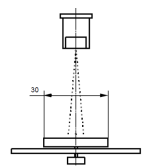
Spray box

- To be connected to the water supply unit
- Box for testing smaller objects (Objects with all dimensions < 250 mm)
- Rotating platform for test sample
- 4 nozzles according to IEC 60529, fig 12
- Nozzles arranged according to IEC 60529, fig 12
- Transparent enclosure to avoid splashing
- Timing device for operation of nozzles one by one



Force measuring device

- For checking the force of the water jet
- Impact plate 2x30 mm
- According to IEC 60525, fig 10
- With scale display to read out the force value



Note: A complete IPX9 testing system must include at least a water supply unit and either one hand held spray hose or one spray box. A force-measuring device is also useful