

# DATA SHEET

Full immersion  
 header tank  
**FULL-JET**  $\varnothing$  10"  
 Valve 2"



## HEADER TANK TECHNICAL FEATURES

HEADER TANK DIAMETER	10"		
VALVE DIAMETER	2" FULL IMMERSION		
MATERIAL	CARBON STEEL	STAINLESS STEEL	
TEMPERATURE RANGE	-20 / + 80°C		
STANDARD COLOUR	BLUE 700 SABLE-METALLIC FINISH TEXTURE SW305G AKZO NOBEL*		
HEADER TANK DESIGN PRESSURE	MAX 8 BAR		
HEADER TANK VOLUME	33,5 L/m		
BOTTOM	FLAT	ROUNDED**	FLANGED**

\*IPERJET tanks are finished with Interpon D1036 – Bleu 700 Sable metallic coating, a textured finish that combines elegance with long-lasting durability. In addition to enhancing the aesthetic value of the system, it provides advanced protection against wear and weathering. Upon request, custom color options are available to ensure perfect integration in any setting.

## CONNECTION TECHNICAL FEATURES

OUT	2"
IN	2 x $\varnothing$ 1" 1/2

\*\*On request

## VALVE TECHNICAL FEATURES

VALVE MODEL	FULL IMMERSION 2"	
VALVE CONSTRUCTION	PILOT OPERATED DIAPHRAGM	
VALVE TYPE	NORMALLY CLOSED (N.C.)	
FLUID	AIR	
WITHSTAND PRESSURE [MPa]	1.5	
MIN OPER. PRESSURE DIFFERENTIAL [MPa]	0.1	
MAX OPER. PRESSURE DIFFERENTIAL [MPa]	0.9	
MAX SYSTEM PRESSURE	0.9	
OPERATING TEMPERATURE	from -40°C to 60°C (Atex version from -20°C to 60°C)	
HIGH TEMPERATURE	VITON - 30°C / +200°C*	
ENCLOSURE	IP65**	
ELECTRICAL CONNECTION	DIN CONNECTOR - all voltages (with protection circuit)	
SILENCER	RESIN COMPACT	
OUT PORT PIPING CONFIGURATION	NOZZLE	
	SHORT	THREAD GAS
	LONG	THREAD GAS
	SHORT	PLAIN
	LONG	PLAIN

### PIPE ASSEMBLY TIGHTENING GUIDE (TIGHTENING TORQUE)

SIZE	TIGHTENING TORQUE [N m]
3/4 (20A)	30
1 (25A)	50
1 1/2 (40A)	50
2 (50A)	120

\*On request

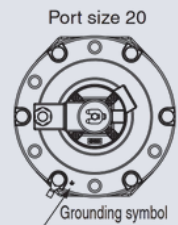
\*\*If water enters the product, it may result in operation failure or breakage. Therefore, take appropriate measures to prevent water from entering the product when used in an environment where it is constantly exposed to water

## TECHNICAL FEATURES OF THE COIL

COIL VOLTAGE	24 VDC	24 VAC	110 VAC	230 VAC
VOIL VOLTAGE ATEX VERSION	24 VDC			
ALLOWABLE VOLTAGE FLUCTUATION	± 10% OF THE RATED VOLTAGE			
ALLOWABLE LEAKAGE VOLTAGE	2% OR LESS OF THE RATED VOLTAGE			
POWER CONSUMPTION*	12 W	18 VA		

**CAUTION - Ground terminal - ATEX version**  
 ABe sure to connect the included ground terminal to the hexagon bolt.

- Connect at the point indicated by the grounding symbol.
- Be sure to periodically inspect the hexagon bolt for loosening, and tighten it as necessary
- A wire with a conductor cross section of 4 to 6.64 mm<sup>2</sup> is recommended for wiring.



## WEIGHT

HEADER TANK DIAMETER	10"
WEIGHT	5,670 KG

Header tank weight is not included in the weight table

\*Power consumption/Apparent power: The value at an ambient temperature of 20 °C and when the rated voltage is applied (Variation: ±10 %). Be sure to read "Specific Product Precautions" before handling.

## COMPONENT LIST

### CAUTION

- Before disassembly, be sure to turn OFF the power supply and pressure supply, and then release the residual pressure.
- Confirm that the solenoid coil temperature has dropped sufficiently before removing the product.

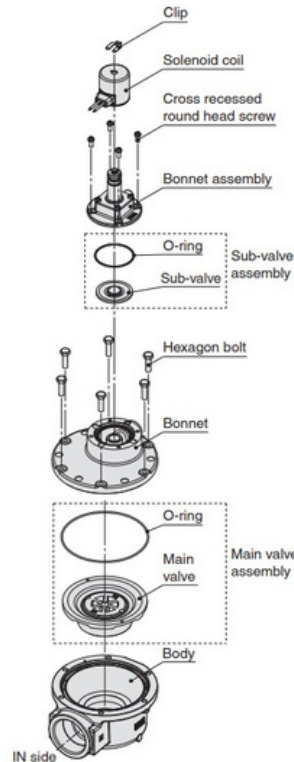
### DISASSEMBLY

- Remove the clip, and then remove the solenoid coil.
- Loosen the hexagon bolts (cross recessed round head screws), and remove the bonnet assembly (bonnet), O-ring, and the main valve (sub-valve).

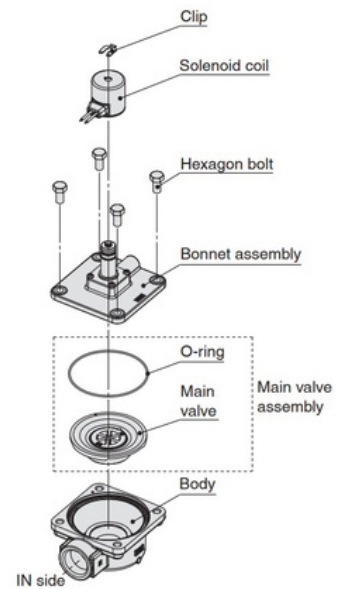
### ASSEMBLY

- Attach the main valve (sub-valve) to the body. The main valve (sub-valve) has a predetermined mounting direction.
- If the valve is assembled incorrectly, it can cause a malfunction.
- Mount the O-ring to the body groove. After mounting the O-ring, check to make sure that the O-ring is fitted properly into the groove. If it is not in the groove, external leakage and/or operation failure may occur.
- Attach the bonnet assembly (bonnet) to the body.
- Tighten the hexagon bolts (cross recessed round head screws) diagonally.

### PORT SIZE 3/4" | 1"



### PORT SIZE 1" 1/2 | 2"

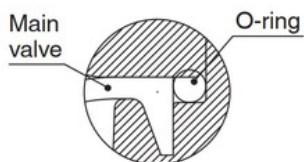


### PROPER TIGHTENING TORQUE

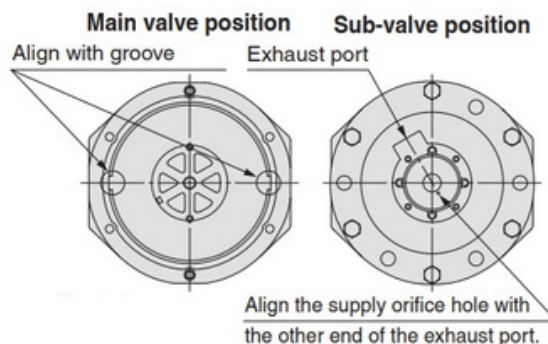
MAIN VALVE	M8	FROM 12.5 TO 13.8 N . m
SUBVALVE	M4	FROM 1.5 TO 1.7 N . m
REPLACEMENT PARTS AVAILABLE	Main valve assembly (Main valve + O-ring)	
	Sub-valve assembly (Sub-valve + O-ring)	

The ATEX coil cannot be sold as a separate spare part.  
The ATEX version is only available in 24 VDC.

### O-RING POSITION



### MAIN VALVE POSITION



### MAIN VALVE PORT SIZE

