

5.60

STEAM INJECTORS

Valvoind

valvole industriali

VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

SI115

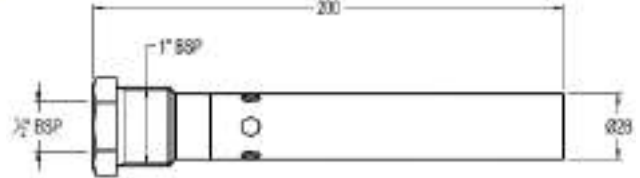
STEAM INJECTORS

PN25

Ø 1/2" DN15

- OPTIONS**  
Complete system including vacuum breaker and self operated controller. Different capacities and design available under request.
- USE**  
Direct steam injection heating systems. See IMI installation and maintenance instructions.
- CONNECTIONS**  
Female screwed ISO 7/1Rp (BS21)

- MODELS**  
SI-115
- INSTALLATION**  
Horizontal installation.
- LIMITING CONDITIONS:**  
Body design conditions : PN 25  
Max. operating pressure : 17 bar  
Max. recommended water temp: 95 °C
- MATERIALS**  
Austenitic stainless steel throughout  
AISI316 / 1.4401



SI125  
SI140

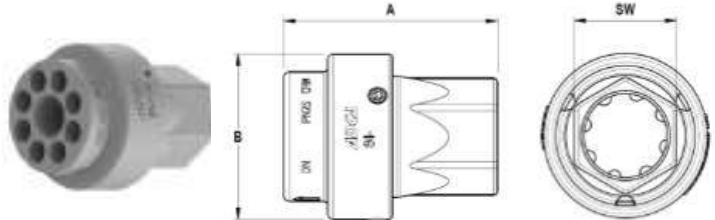
STEAM INJECTORS

PN25

Ø 1" - Ø 11/2" DN25 - DN40

- OPTIONS**  
Complete system including vacuum breaker and self operated controller. Different capacities and design available under request.
- USE**  
Direct steam injection heating systems. See IMI installation and maintenance instructions.
- MODELS**  
SI-125; SI-140.
- CONNECTIONS**  
Female screwed ISO 7/1Rp (BS21)
- INSTALLATION**  
Horizontal or vertical installation.
- LIMITING CONDITIONS:**  
Body design conditions : PN 25  
Max. operating pressure : 17 bar  
Max. recommended water temp: 95 °C
- MATERIALS**  
Austenitic stainless steel throughout  
CF8M / 1.4408.

DIMENSIONS (mm)				
SIZE DN	A	B	SW	WEIGHT Kg
1"	88	73	40	0,97
1 1/2"	114	88	55	1,8



FLOW RATE CAPACITY IN Kg/h *																		
MODEL	SIZE	INLET STEAM PRESSURE (bar)																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SI 125	1"	130	170	270	352	415	500	575	660	695	795	880	940	980	1040	1090	1150	1220
SI 140	1 1/2"	395	570	800	970	1120	1290	1440	1625	1810	1940	2240	2360	2590	2700	2800	3050	3200

\* With the vessel at atmospheric pressure.  
Example: We require the injection of 3500Kg/hr of steam with a pressure of 8bar. From the injector capacity table we see that at 8bar the injector SI140 will pass 1625Kg/hr and 3500 divided by 1625=2,15.  
Two injectors will barely cope, so, we recommend installing three injectors, which will meet the demand.

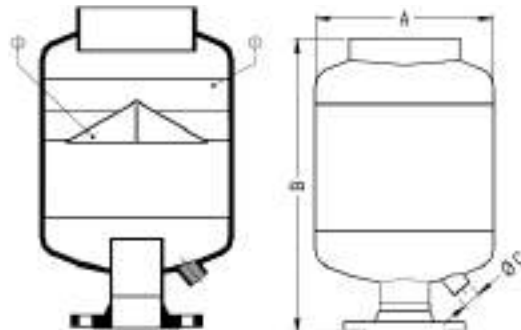
EH

EXHAUST HEADS

PN16

Da Ø 1" a Ø4" Da DN25 a DN150

- OPTIONS**  
Corrosion protection (metal abrasive blasted, metalized and painted). Complete stainless steel construction.
- USE**  
Opened vertical steam vent pipes in blowdown vessels, boiler feedtanks, etc.
- CAUTION**  
Not recommended for safety valves outlets.
- MODELS**  
EH/S - carbon steel body.  
EH/SZ - metalized and painted.  
EH/SS - stainless steel body.
- CONNECTIONS**  
Female screwed ISO 7/1Rp(BS21)  
Flanged EN 1092-1 PN16 or ANSI Class 150.
- INSTALLATION**  
Vertical installation. The drain should be piped to a safe position.  
The exhaust head should be selected so that it is the same nominal size as the vent pipe.



MATERIALS	
DESIGNATION	MATERIAL
Body	Carbon steel P235GH / 1.0305
Separating element	Stainless steel AISI304 / 1.4301

LIMITING CONDITIONS	
PS - Maximum Allowable Pressure	0,5 bar

Minimum operating temp.: -10°C. Design code: AD-Merkblatt.  
Other conditions and CE marking on request.

DIMENSIONS (mm)				
FLANGED EN 1092-1				
SIZE DN	A	B	C	WEIGHT Kg
25	108	345	1/2"	1,9
32	134	348	1/2"	1,8
40	138	400	1/2"	1,9
50	273	450	3/4"	2,6
65	273	480	3/4"	2,8
80	273	495	3/4"	2,9
100	273	405	1"	3,0
125	356	525	1"	4,2
150	368	625	1"	4,8
200	508	650	1 1/2"	9,5
250	508	650	1 1/2"	11,0