



Steam Injectors

Description

The SI series steam injectors from ADCA are injection condensers. They ensure low noise and vibration and rapid heating of still or flowing fluids in basins and vessels due to direct steam injection. Steam enters through the inlet housing, passes along the center of the heater, mixing with the cool water which is drawn in through radial holes. Connections are female screwed.

Article no.	Type	Price
BSP		
440265	SI-115 - 1/2"	£328.20
441198	SI-125 - 1"	£526.30
446158	SI-140 1 1/2"	£736.10

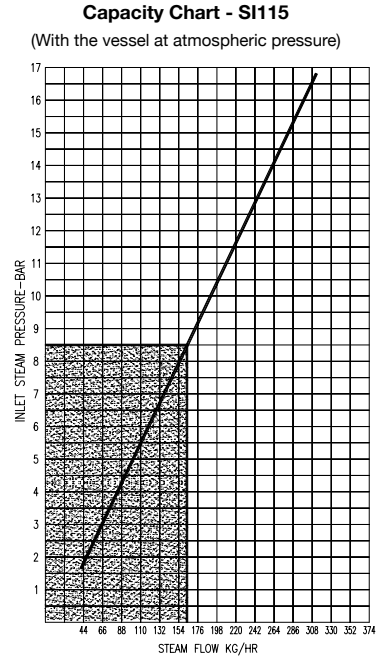
SI 115

Sizes: 1/2"
 Connections: Female screwed ISO 7/1 Rp (BS21)
 Installation: Horizontal
 Body design conditions: PN 25
 Max. Operating pressure: 17 bar
 Max. recommended water temp: 95 °C
 Materials: Austenitic stainless steel throughout.



SI 125 & SI 140

Sizes: 1" and 1 1/2"
 Connections: Female screwed ISO 7/1 Rp (BS21)
 Installation: Horizontal
 Body design conditions: PN 25
 Max. Operating pressure: 17 bar
 Max. recommended water temp: 95 °C
 Materials: Austenitic stainless steel throughout.



Selection under shadow area is recommended for quietest operation.

Flow Rate Capacity in Kg/h *

Model	Size	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 to inject 3500 Kg/hr of steam with a pressure of 8 bar. From the injector capacity table we see that at 8 bar the injector SI 140 will pass 1625 Kg/hr and 3500 divided by 1625=2,15. Two injectors will barely cope, so, we recommend installing three injectors, which will meet the demand .

Water Mixers - ADCAMIX MX20

Description

The steam/water Adcamix mixers provide a cheap, instant source of low pressure hot water by utilising existing steam and cold water supplies. The mixer incorporates a safety device to ensure that live steam cannot accidentally be ejected, even if for some reason the cold water supply fails.

The temperature of water at the outlet of the Adcamix is easily controlled by using water and steam valves fitted to the inlets. Connections are female screwed.

Main Features

- Safety device against accidentally steam ejection
- Non return valves included
- Complete stainless steel construction
- Quiet operation



Flow Rate Capacity - Hot Water Flow l/h

Steam Pressure	Hot Water Outlet Temperature						
	40°C	50°C	60°C	70°C	80°C	90°C	95°C
bar							
2.5	1900	1400	1150	900	700	650	600
3	2250	1600	1230	1030	900	800	700
4	2700	2000	1550	1250	1000	850	800
5	3250	2300	1800	1500	1250	900	850
6	3900	2900	2250	1800	1500	1200	1100
7	4200	3100	2400	1950	1600	1300	1200
8	4800	3500	2700	2100	1800	1550	1280
9	5200	3900	3000	2450	2000	1700	1600
10	5900	4100	3250	2700	2250	1900	1750

Article no.	Type	Price
445773	MX20 valve	£1,427.00
481897	MX20 hose per 10 metres	£440.00
443169	MX20 spray Gun	£163.30



Application Limits

Min. steam pressure 2.5 bar
 Max. steam pressure 10 bar
Steam pressure equal to or no more than 3 times the water pressure. Water pressure must not be higher than steam pressure.