

STEAM - WATER MIXERS ADCAMIX MX20



DESCRIPTION

The steam/water Adcamix mixers provide cheap, instant source of low pressure hot water by using existing steam and cold water supplies.

The mixer incorporates a safety device to ensure that live steam cannot be accidentally 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

OPTIONS:

Alternative steam valve if live steam is required, e.g. for sterilisation.

ACCESSORIES:

Stainless steel pedestal.

Adjustable spray gun

Couple of steam/water valves

Hot water/steam hose

Stainless suspension for hose

USE :

Saturated steam and cold water.

AVAILABLE MODELS :

MX 20

SIZES :

3/4" x 3/4"

CONNECTIONS :

Female screwed ISO 7/1Rp (BS21)

INSTALLATION :

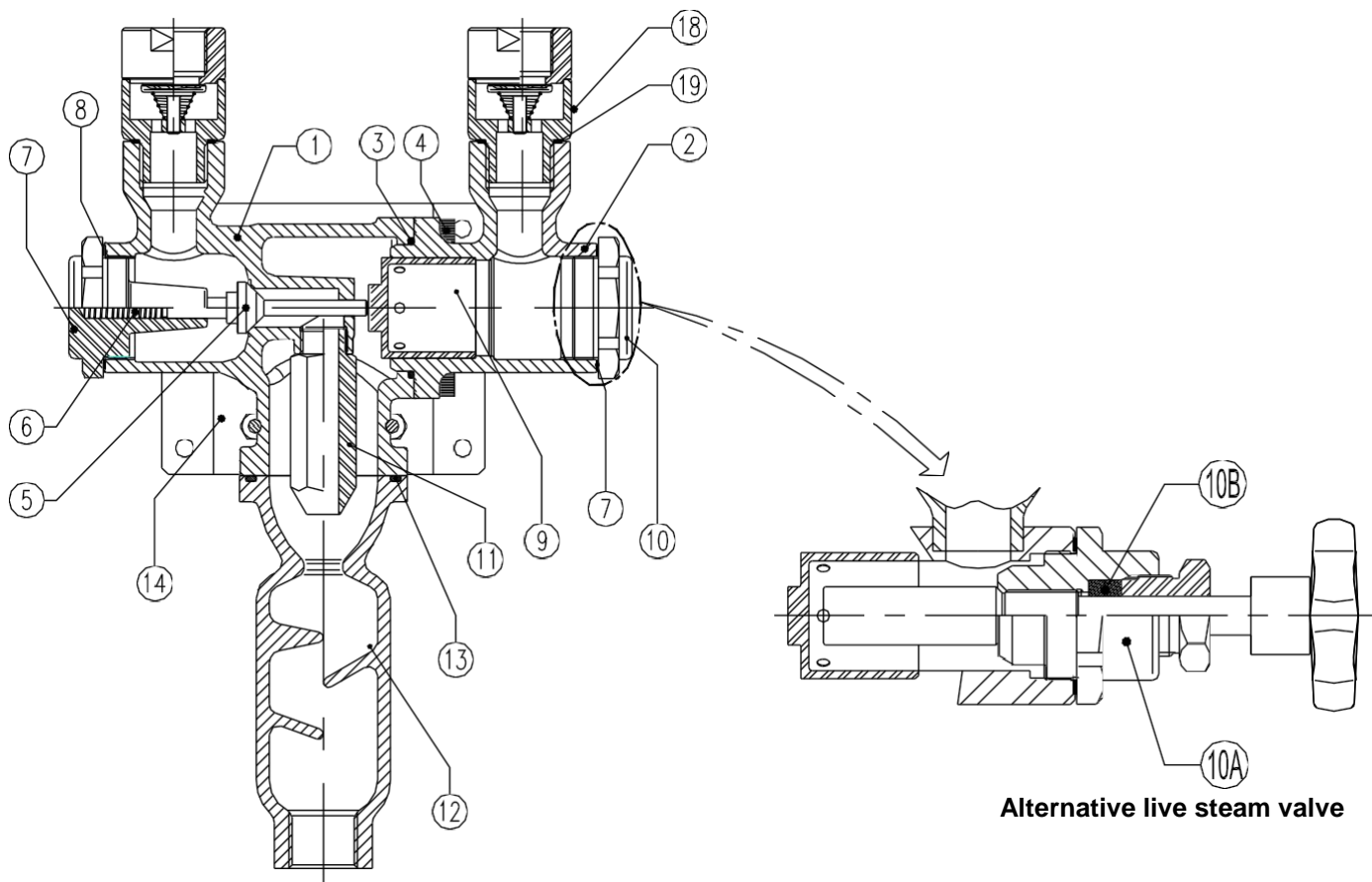
Vertical wall installation.

See IMI installation and maintenance instructions.



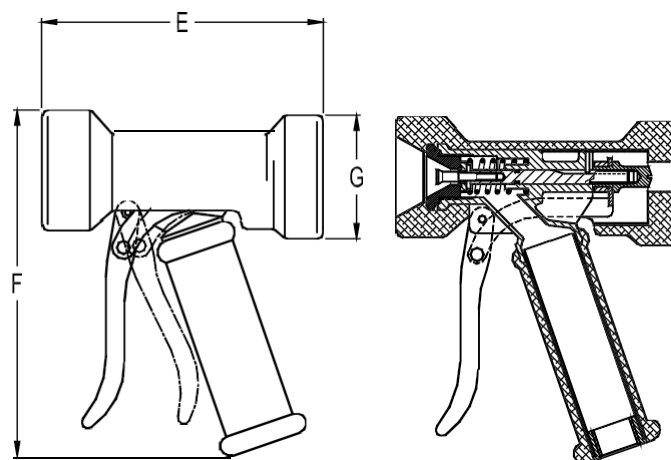
FLOW RATE CAPACITY - HOT WATER FLOW l/h							
STEAM PRESSURE	HOT WATER OUTLET TEMPERATURE						
bar	40°C	50°C	60°C	70°C	80°C	90°C	95°C
2,5	1900	1400	1150	900	700	650	600
3	2250	1600	1230	1030	900	800	700
4	2700	2000	1550	1250	1000	850	800
5	3250	2300	1800	1500	1250	900	850
6	3900	2900	2250	1800	1500	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

APPLICATION LIMITS	
Minimum steam pressure	2,5 bar
Maximum 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.	



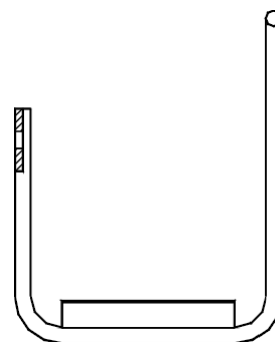
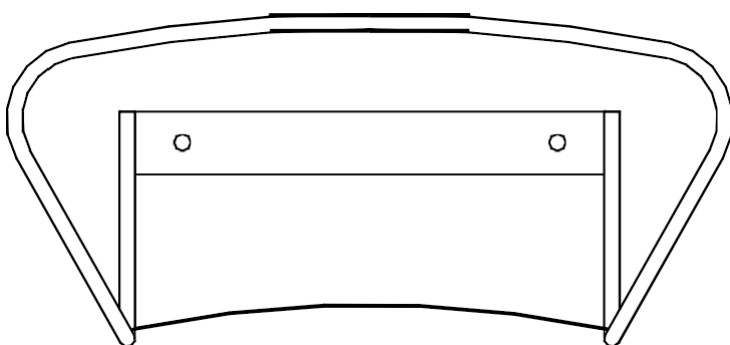
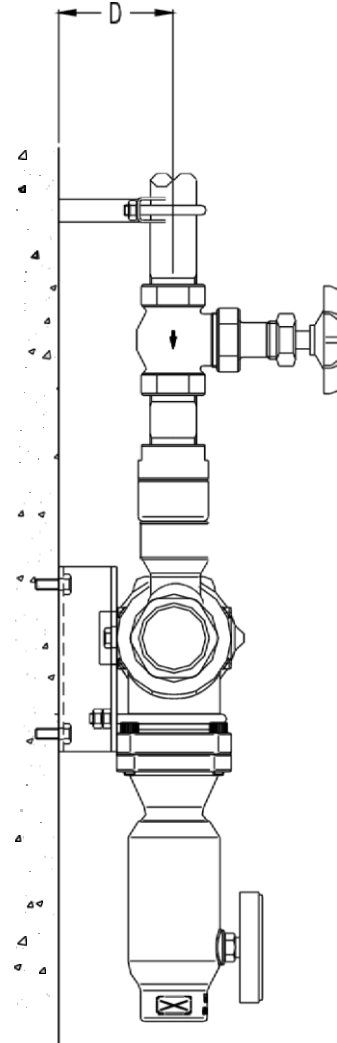
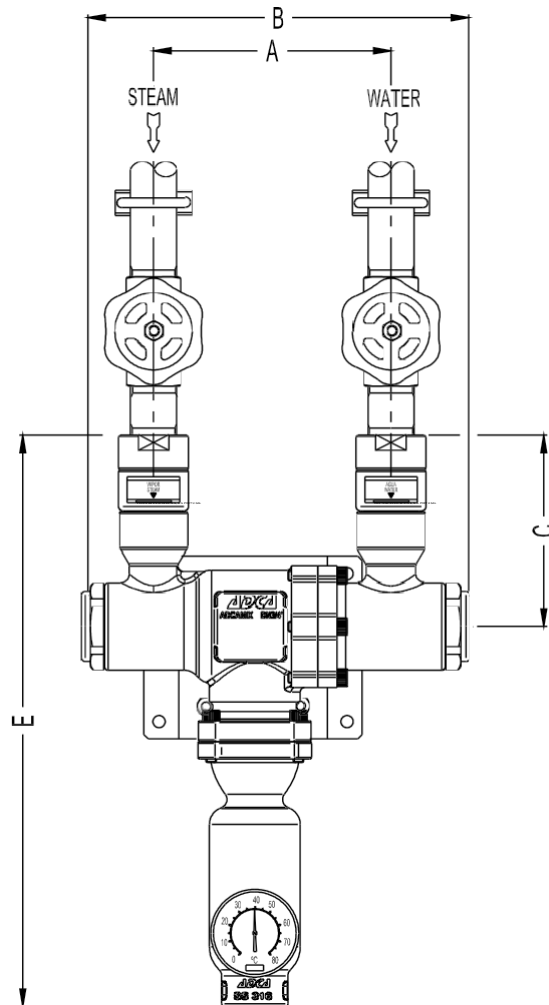
MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Steam body	CF8M / 1.4408
2	Water body	CF8M / 1.4408
3	* Gasket	NBR
4	Bolts	A2-70
5	* Steam valve	St.St./Graphite
6	* Valve spring	AISI 302 / 1.4300
7	Steam cover	AISI 316 / 1.4401
8	* Gasket	PTFE
9	* Piston	AISI 316 / 1.4401
10	Water cover	AISI 316 / 1.4401
10A	Steam valve	AISI 316 / 1.4401
10B	* Paking	PTFE
11	Steam nozzle	AISI 316 / 1.4401
12	Mixing chamber	CF8M / 1.4408
13	* Gasket	VITON
14	Support	AISI 304 / 1.4301
18	* Check valve	AISI 316 / 1.4401
19	* Gasket	PTFE

*Available spare parts



SPRAY GUN DIMENSIONS (mm)				
MODEL	E	F	G	Wgt Kg
SG20	141	167	62	0,95

VALVE DIMENSIONS (mm)						
DN	A	B	C	D	E	Wgt Kg
3/4"	135	220	110	57,5	330	5,3



Stainless steel suspension for hose

INSTALLATION AND MAINTENANCE INSTRUCTIONS MX20 - STEAM - WATER MIXERS ADCAMIX

GENERAL

1. These instructions must be carefully read before any work involving products supplied by VALSTEAM ADCA ENGINEERING S.A. is undertaken.
2. The installation procedure is a critical stage in a life of a mixing valve and care should be taken to avoid damage to the valve or equipment.

Warning!

- At start up, the presence of small particles in the water (dirt, scale, weld splatters, etc) may cause an unperfect closure of the seat. If this occur, proceed to an accurate cleaning.
- Do not touch the equipment without appropriate protection during working operation because it may conduct heat if the used fluid is at high temperature.
- Before starting maintenance be sure that the equipment is not pressurized or hot.
- The equipments must be used within the working temperature and pressure limits laid down for them, otherwise they may fail (refer to nameplate and/or IS- Information Sheet).
- Do not remove the nameplate attached to the equipment. Serial number and other useful information is stamped on it.

INSTALLATION

1. Before to install remove plastic covers placed on flanges or connection ends. The equipment has an arrow or Inlet/Outlet designations. Be sure that it will be installed on the appropriate direction.
2. The MX20 must be installed in a vertical position with the hot water outlet connection at the bottom.
3. To automatically remove condensate from line thus eliminating water hammer when the MX20 is first put into use or after long periods of inactivity, an Adca steam trap must be installed in piping immediately ahead of steam valve (see typical installation). Condensate shall be connected to the condensate recovery system.

MAINTENANCE

1. The ADCAMIX MX20 steam-water mixers do not require any particular maintenance. Cleaning of the internals may become necessary from time to time. The cleaning intervals depend on the degree of contamination of the fluids. Examine steam valve nr.5 and seat to ascertain the extend of any damage or service wear. If necessary replace valve and spring nr.5 and 6 and clean piston nr.9.
2. For further information refer to the relevant IS (Information Sheet) or consult our Sales Office.

Installation limits :

Min.steam Pressure - 2,5 bar

Max.steam pressure - 10 bar

Steam pressure equal to or no more than 3 times the water one.

PARTS LIST FOR MX20 - ADCAMIX**Code Designation Size Pos.Nr. Qty.**

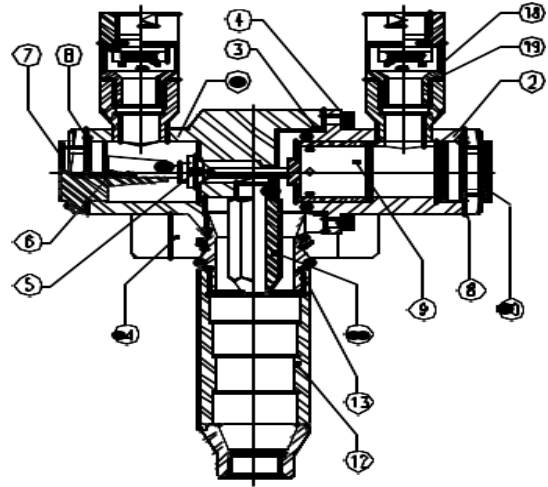
A.95.7050.020 Valve, spring & gasket 3/4" 5,6,8 1

A.95.7050.120 Piston & gasket 3/4" 8,9 1

A.95.7050.220 Check valve 3/4" 18,19 2

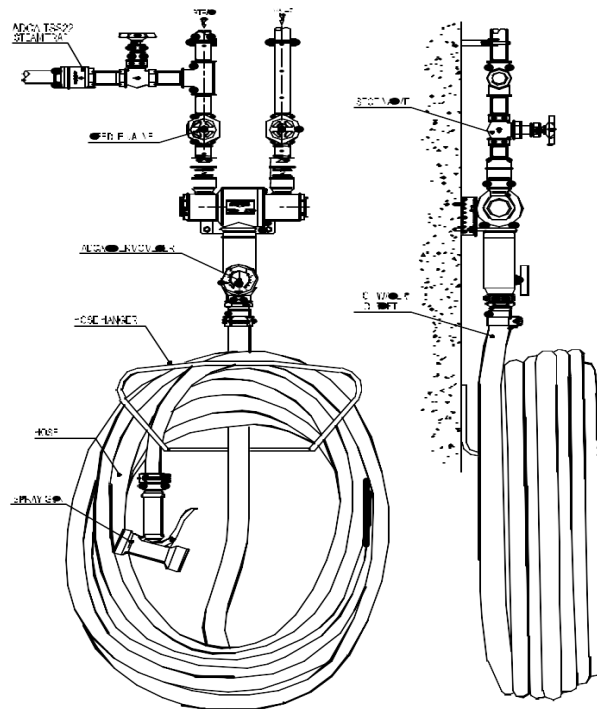
Recommended tightening torques :**Pos.Nr. Size Nm**

Nrs.7,10 3/4" 80

**CE Marking :**

This product have been designed for use on steam and water wich are in Group 2 of the PED-European Pressure Equipment Directive 97/23/EC and it comply with those requirements.

The product fall within category SEP and must not be CE marked.

ADCAMIX Typical Installation

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