

HYGIENIC BALL VALVES M3H TRUE BORE (DN 10 – 50 DIN)

DESCRIPTION

M3H three pieces body ball valves are isolating valves designed for use with clean steam, condensate and other gases and liquids used in high purity and aseptic processes.

The valve is not designed as a control valve and should only be used as an isolating valve, fully open or fully closed.

The product is mainly designed for the pharmaceutical, biotech, semiconductor, cosmetics, fine chemical, food and beverage industries.

MAIN FEATURES

True bore floating ball design.

A351 CF3M body and ends with ferrite content of less than 2% and low sulphur between 0,005 and 0,017%.

Can be serviced without removal from pipeline.

Tube weld with loose body flanges (360° rotation after installation).

Bidirectional.

Antistatic device.

Anti blow out proof stem.

ISO 5211 mounting.

STANDARD SURFACE FINISH

Internal wetted parts: $\leq 0,51$ micron Ra – SF1.

External: as casted.

Ultrasonic cleaning.

OPTIONS: Different sealing materials.
Degreased for oxygen use.
Cavity filler.

USE: Clean steam, gases and liquids compatible with the construction.

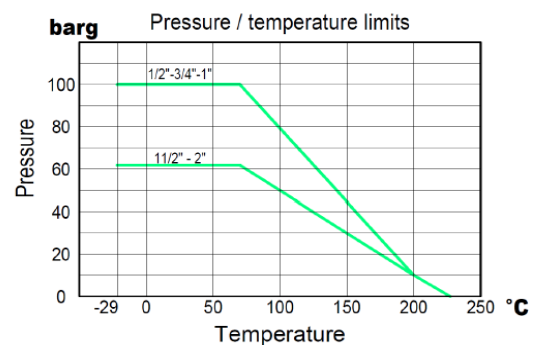
AVAILABLE MODELS: M3H – Investment casting.

SIZES: DN 10 to DN 50.

CONNECTIONS: According to DIN 11850 tube.
TC – Sanitary clamps DIN 32676.
ETO – Extended tube orbital welding.
TC / ETO – Combination.

PACKAGING: Assembling and packaging in a clean room certified according to ISO 14644-1.
The product is end capped and sealed with recyclable thermo-shrinkable plastic film to avoid contamination.

INSTALLATION: See IMI - Installation and maintenance instructions.



TFM 1600

Note: Working pressure may be limited by the valve connections.

CE MARKING – GROUP 2 (PED – European Directive)

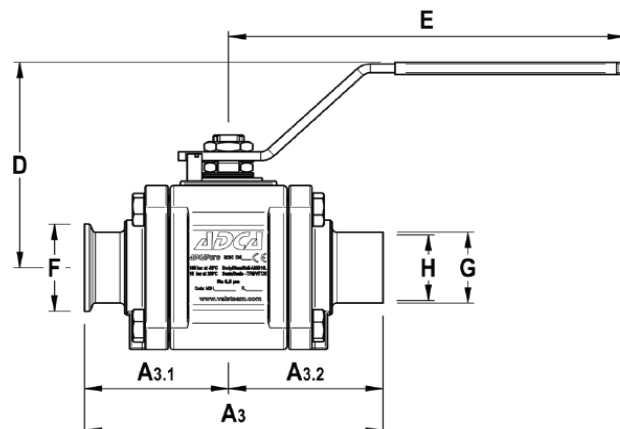
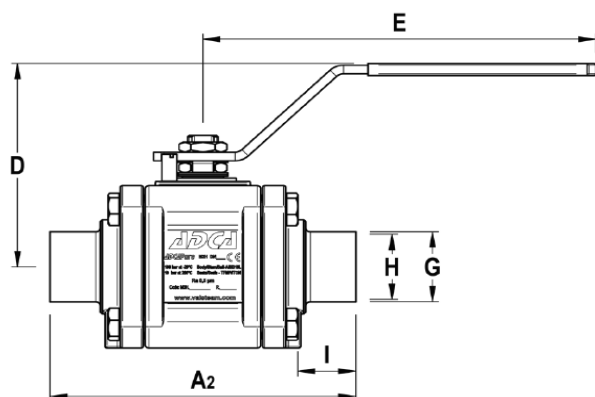
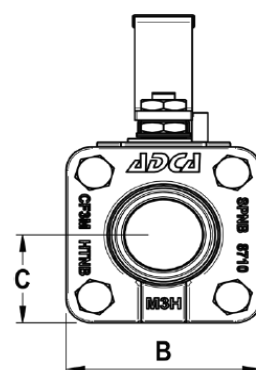
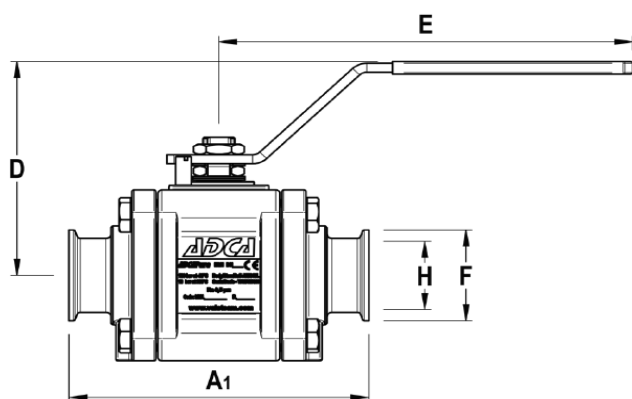
PN63	PN100	Category
–	DN 10 to 20	SEP
DN 25 to 32	–	SEP
DN 40 to 50	–	1 (CE Marked)

We reserve the right to change the design and material of this product without notice.

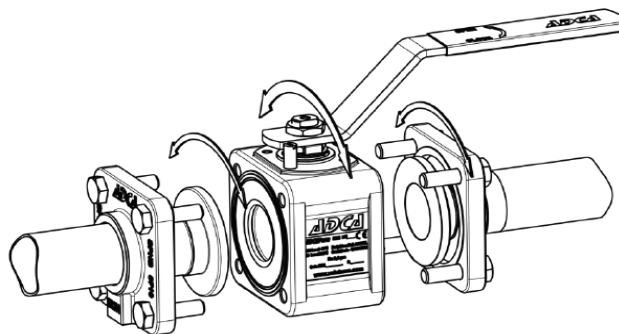
VALSTEAM ADCA

DIMENSIONS (mm) DIN

SIZE	A1	A2	A3	A3.1	A3.2	B	C	D	E	F	G	H	I	BALL PORT	ISO 5211	WGT. (kg)
DN 10	90	102	96	45	51	42	21	65	150	34	13	10	25	10	F03	0,73
DN 15	100	114	107	50	57	50	25	69	150	34	19	16	27	16	F03	1,49
DN 20	115	127	121,5	57,5	64	62	31	87	175	34	23	20	27	20	F04	1,94
DN 25	125	135	130,5	62,5	68	72	36	92	175	50,5	29	26	27	26	F04	2,62
DN 32	140	153	147	71	76	85	42,5	114	207	50,5	35	32	27	32	F05	4,41
DN 40	150	161	155	75	80	95	47,5	119	207	50,5	41	38	27	38	F05	5,5
DN 50	165	178	172	82	90	105	52,5	124	232	64	53	50	28	50	F05	7



Tube weld easy and quick installation - standard



Loose body flanges make it possible to install the valve without the aligning of welded end connections. After installation the valve can rotate 360° for the desired orientation.

MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Valve body	CF3M / 1.4409
2	TC end connection	CF3M / 1.4409
3	Tube weld end connection	AISI 316L / 1.4404
4	** Flange	CF3M / 1.4409
5	Stem	AISI 316L / 1.4404
6	* Valve ball	AISI 316L / 1.4404
7	* Standard seat	TFM 1600
8	* Cavity filler seat	TFM 1600
9	* Body seal	PTFE
10	* Stem seals	TFM 1600
11	* Spacer	AISI 316 / 1.4401
12	Handle	AISI 304 / 1.4301
13	Handle end	Vinyl
14	* Spring washers	AISI 304 / 1.4301
15	Compression nut	AISI 304 / 1.4301
16	* Lock washer	AISI 304 / 1.4301
17	Fixing bolt	AISI 304 / 1.4301
18	Stop pin	AISI 304 / 1.4301
19	Antistatic device	AISI 316 / 1.4401
20	* O-ring	Viton

* Available spare parts;

** Loose flange. Allows a 360° rotation of the valve when using tube weld connections.

Remarks: FDA / USP Class VI seals certificate on request.

All valves have a serial number. In case of non-standard valves, this number must be supplied if spare parts are ordered.

