





HIGH PURITY BALL VALVES M3HP FULL BORE (DN 65 – 100 DIN)

DESCRIPTION

M3HP three piece body ball valves are isolating valves designed for use on 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 be used only as an isolating valve, fully open or fully closed.

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

MAIN FEATURES

Full bore floating ball design

Completely made from solid bar stock material Can be serviced without removal from pipeline Bidirectional

Anti blow out proof stem

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

STANDARD SURFACE FINISH

Internal wetted parts: ≤ 0,5 micron Ra

External : ≤ 0,8 micron Ra

(0,25 micron Ra and electro polished as option)

Ultrasonic cleaning

OPTIONS: Antistatic device

Different sealing materials ISO 5211 mounting Degreased for oxygen use

USE: Clean steam, gases and liquids compatible

with the construction.

AVAILABLE

MODELS: M3HP - Complete bar stock construction

SIZES: DN65 to DN 100

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 vacuum sealed with recyclable plastic film to avoid

contamination.

INSTALLATION: See IMI, installation and maintenance

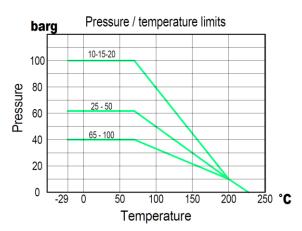
instructions.

CE MARKING (PED - European Directive 97/23/EC)						
PN 40	Category					
DN 65 - 100	1 (CE Marked)					









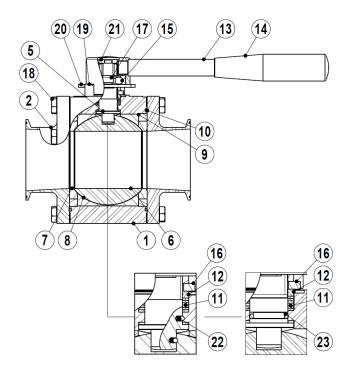
TFM 1600

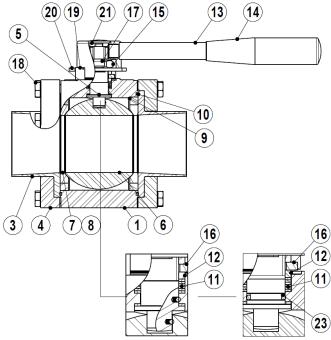
Working pressure may be limited by the valve connections.



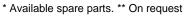








	MATERIALS							
POS.	DESIGNATION	MATERIAL						
1	Valve body	AISI316L / 1.4404						
2	TC end connection	AISI316L / 1.4404						
3	Tube weld end conn.	AISI316L / 1.4404						
4	Flange	AISI316L / 1.4404						
5	Stem	AISI316L / 1.4404						
6	* Valve ball	AISI316L / 1.4404						
7	* Standard seat	TFM 1600						
8	* Cavity filler seat	TFM 1600						
9	Body ring	AISI316L / 1.4404						
10	* Body seal	PTFE						
11	* Stem seals	TFM 1600						
12	* Spacer	AISI316 / 1.4401						
13	Handle	AISI304 / 1.4301						
14	Handle end	Vinyl						
15	* Spring washers	AISI304 / 1.4301						
16	Compression nut	AISI304 / 1.4301						
17	* Lock washers	AISI304 / 1.4301						
18	Fixing bolt	AISI304 / 1.4301						
19	Stop pin	AISI304 / 1.4301						
20	Handle stopper	AISI304 / 1.4301						
21	Fixing screw	AISI304 / 1.4301						
22	** Antistatic device	AISI316 / 1.4401						
23	O-ring	VITON						



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.





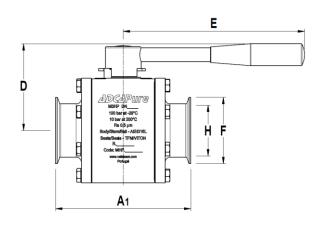


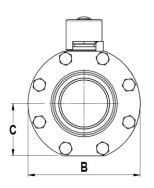


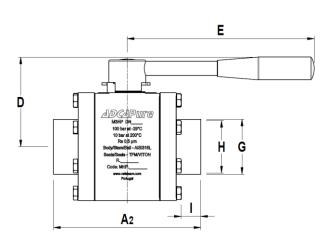
STEAM EQUIPMENT

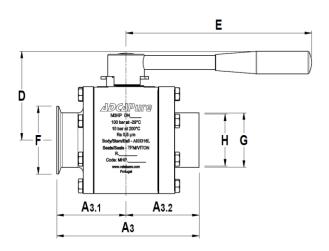
	DIMENSIONS (mm)															
SIZE DN	A 1	A 2	Аз	A 3.1	A 3.2	В	С	D	E	F	G	н	I	BALL PORT	ISO 5211 *	WGT. Kg
65	190	203	197	95	102	160	72,5	130	250	91	70	66	29	62	F7	15,4
80	216	228	222	108	114	180	83,5	140	290	106	85	81	30	75	F7	22,1
100	255	267	261,5	127,5	134	220	101,5	158	290	119	104	100	36	98	F10	36,4

^{*} Available on request.

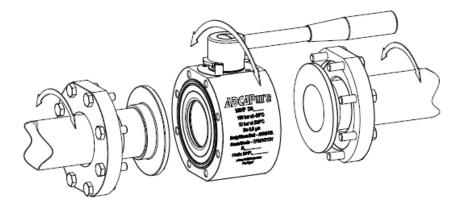








Tube weld easy and quick installation - standard

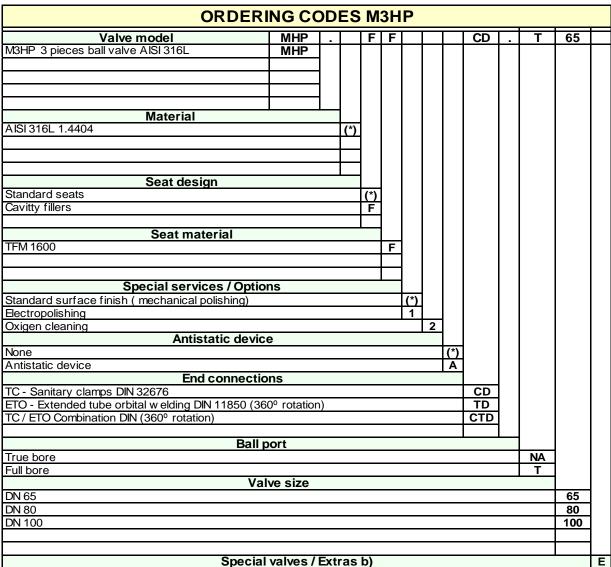


Loose body flanges make it possible to install the valve without aligning of welded end connections. After installation the valve can rotate on 360° for the desired orientation.









(*) Omitted if a standard valve is requested

b)Full description or addicional codes have to be added in case of non-standard combination.

NA - Not available