







HYGIENIC BALL VALVES M3H FULL BORE (6" ASME BPE)

DESCRIPTION

M3H three piece 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.



Full 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.



Internal wetted parts: ≤ 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: 6".

CONNECTIONS: According to ASME BPE.

TC – Sanitary clamps.

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.







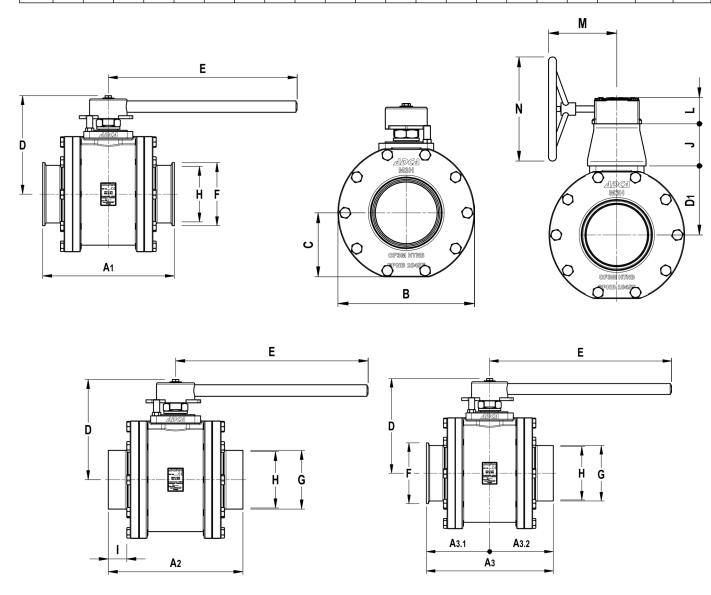
CE MARKING – GROUP 2 (PED – European Directive)									
PN 16	Category								
DN 150	1 (CE marked)								



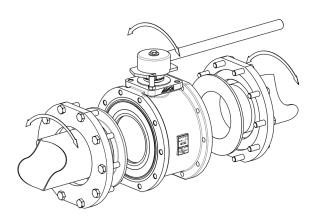




									IMEN	SIONS	6 (mm)	ASMI	BPE								
SIZE	A1	A2	А3	A3.1	A3.2	В	С	D	D1	E	F	G	Н	I	J	L	М	N	BALL PORT	ISO 5211	WGT. (kg)
6"	350	350	350	175	175	324	153	260	166	500	167	152	147	48	101	63	164	250	152,4	F14	94,9



Tube weld easy and quick installation - standard



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







MATERIALS										
POS.	DESIGNATION	MATERIAL								
1	Valve body	A351 CF3M / 1.4409								
2	TC end connection	A351 CF3M / 1.4409								
3	Tube weld end connection	A351 CF3M / 1.4409								
4	Stem	AISI 316L / 1.4404								
5	* Valve ball	AISI 316L / 1.4404								
6	* Standard seat	TFM 1600								
7	* Cavity filler seat	TFM 1600								
8	Body ring	AISI 316L / 1.4404								
9	* Body seal	PTFE								
10	* Stem seals	TFM 1600								
11	* Stem thrust seal	TFM 1600 - PEEK								
12	* Spacer	AISI 316 / 1.4401								
13	Spring washer	AISI 304 / 1.4301								
14	Compression nut	AISI 304 / 1.4301								
15	* Lock washer	AISI 304 / 1.4301								
16	Fixing screw	AISI 304 / 1.4301								
17	Handle stopper pin	AISI 304 / 1.4301								
18	Handle stopper	AISI 304 / 1.4301								
19	Handle fixing bolt	AISI 304 / 1.4301								
20	Handle	AISI 304 / 1.4301								
21	Bracket	AISI 304 / 1.4301								
22	Bracket stem	AISI 304 / 1.4301								
23	Bracket bolts	AISI 304 / 1.4301								
24	Gearbox	Cast iron								

^{*} Available spare parts;

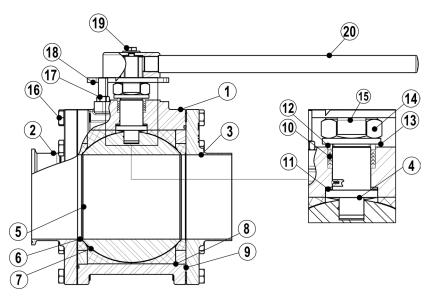
Remarks: FDA / USP Class VI seals certificate on request.

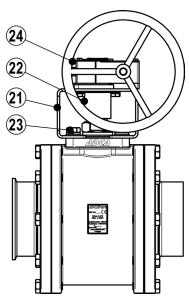
All valves have a serial number. In case of non-standard valves, this number must be supplied if spare parts are ordered.















ORD	ERING COL	DES M31	1							
Valve model	МН	1	Х	Х	F	Х	Х	СВ	Х	150
M3H – A351 CF3M / 1.4409 3 pieces ball valve	МН									
Lever handle										
Round lever handle complete stainless steel		1								
Bare stem		9								
Material										
A351 CF3M / 1.4409			Х							
Seat design										
Standard seats				Х						
Cavity fillers				F						
Seat material										
TFM 1600					F					
Surface finish (a)										
Standard surface finish						Х				
Electropolished internal wetted parts (SF5)						E				
Special features										
None							Х			
Oxygen cleaning							0			
End connectio	ns								-	
TC – Sanitary clamps ASME BPE								СВ	-	
ETO – Extended tube orbital welding ASME BPE (360° rotation design)								ТВ	-	
TC / ETO – Combination ASME BPE (360° rotation design)								СТВ	-	
Ball p	ort									.
Full bore (standard) True bore									X NA	
	Size								NA	
6"	0126									150
<u> </u>										100
Special	l valves / Ex	xtras								
Full description or additional codes have to be added in case of a		_	ination							

⁽a) Consult IS PV20.00 – Technical information – for further details and other surface finish options. NA – Not available.