





M3HP TRUE BORE (DN ½" – 2" ASME BPE)

DESCRIPTION

M3HP 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.

MAIN FEATURES

True 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). ISO 5211 mounting (only sizes ≥1"). STANDARD SURFACE FINISH

Internal wetted parts: ≤ 0,51 micron Ra – SF1.

External : ≤ 0,76 micron Ra – SF3.

Other surface conditions see IS PV20.00-Technical

information.

Ultrasonic cleaning.

OPTIONS: Antistatic device.

Different sealing materials.

½" and ¾" ISO mounting with flange adapter.

Degreased for oxygen use.

Cavity filler.

USE: Clean steam, gases and liquids compatible

with the construction.

AVAILABLE

MODELS: M3HP - Complete bar stock construction.

SIZES: 1/2" to 2".

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

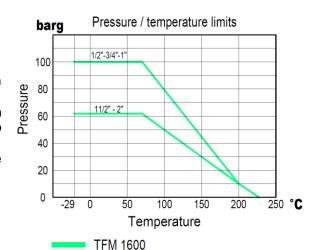
instructions.

CEMARKI	NG - GROUP 2 (PE	D - European Directive)					
PN 100 PN 64 Category							
1/2" to 1"	1	SEP					
1	11/2" -2"	1 (CE Marked)					









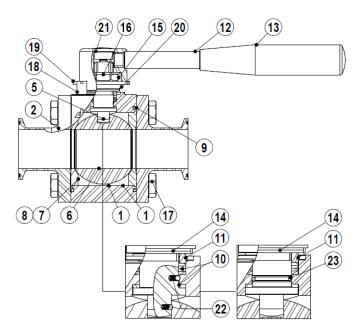
Working pressure may be limited by the valve connections

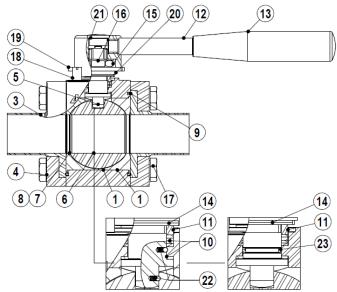


We reserve the right to change the design and material of this product without notice.









	NA ATC	DIALC
	I	RIALS
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 seal	PTFE
10	* Stem seals	TFM 1600
11	* Spacer	AISI316 / 1.4401
12	Handle	AISI304 / 1.4301
13	Handle end	Vinyl
13	Handle end (optional)	AISI316L / 1.4404
14	* Spring washers	AISI304 / 1.4301
15	Compression nut	AISI304 / 1.4301
16	* Lock washer	AISI304 / 1.4301
17	Fixing bolt	AISI304 / 1.4301
18	Stop pin	AISI304 / 1.4301
19	Handle stopper	AISI304 / 1.4301
20	Washer	AISI304 / 1.4301
21	Fixing screw	AISI304 / 1.4301
22	** Antistatic device	AISI316 / 1.4401
23	O-ring	VITON

^{*} Available spare parts. ** On request

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.





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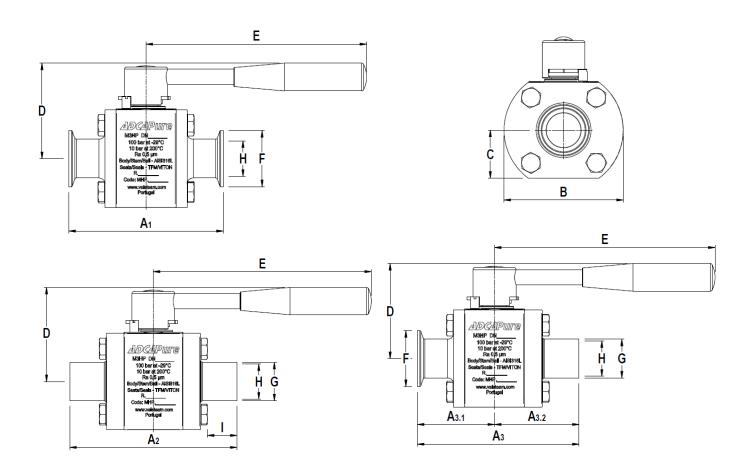




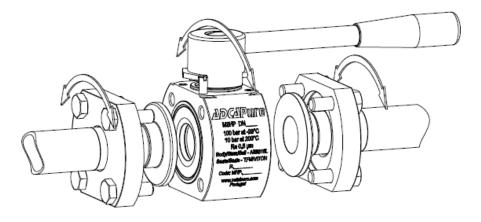
\	VI EI 11 I	IPMENT	
316/3/	v_{I} L U U	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

	DIMENSIONS (mm)															
SIZE	A 1	A 2	A 3	A 3.1	A 3.2	В	С	D	E	ØF	øG	ØН	I	BALL PORT	ISO 5211	WGT. Kg
1/2"	88,9	101,6	95,5	44	51,5	59	22	49	130	25	12,7	9,4	25	9,4	F03 *	0,9
3/4"	101,6	114,3	108	51	57	64	24,5	53	130	25	19,05	15,75	27	15,8	F03 *	1,4
1"	114,3	127	120,5	57	63,5	79	31	68	165	50,5	25,4	22,1	27	22,1	F04	2,3
11/2"	139,7	152,4	146,5	70	76,5	109	44	86	200	50,5	38,1	34,8	27	34,8	F05	5,3
2"	165,1	177,8	171,5	82,5	89	134	53	97	200	64	50,8	47,5	28	47,5	F05	8,5

^{*} Flange adapter is required, against extra price. See IS M3H. 25 E Options and extras.



Tube weld easy and quick installation - standard

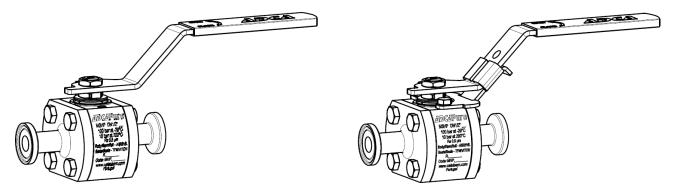


Loose body flanges make it possible to install the valve without aligning of welded end connections. After installation the valve can rotate on 360° for the desired orientation.









Flat lever handle with plastic cover.

Flat lever handle with lockable system.

ORDERIN	IG CO	DE	SI	VI3	HF	>						
Valve model	MHP			F	F				СВ			15
M3HP 3 pieces ball valve AISI 316L	MHP											
		1-1-1-1-1										
Lever handle												
Round lever handle stainless steel / plastic			(*)									
Round lever handle complete stainless steel			1									
lat lever handle stainless steel / plastic cover			2									
lat lever handle st. steel / plastic cover w/lockable	system		3									
Bare stem			9									
Material												
AISI 316L 1.4404				(*)								
Seat design						1						1
Standard seats					(*)							1
Cavity fillers					F							
·						1						
Seat material						1						
TFM 1600						F	1					
							1					
							1					
Special services / Option	ons											
Standard surface finish (mechanical polishing)	***************************************						(*)					
Electropolishing							1					
Oxigen cleaning							2					
Antistatic device	VIII III III III III III III III III II											
None								/* \				
Antistatic device								A				
End connection	10							^				
	13								CD	ł		
TC - Sanitary clamps ASME BPE	00 4- 4:	- \							CB			
ETO - Extended tube orbital welding ASME BPE (360	U° rotatioi	ገ)							TB			
TC / ETO Combination ASME BPE (360° rotation)									СТВ	l		
Ball p	ort											4
True bore (standard)											(*)	1
Full bore											NA]
Valv	/e size											
1/2"												15
3/4"												20
1"												25
11/2"												40
2"												50

(*) 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

