



SANITARY RANGE

ASME BPE | DIN 11850 | ISO 1127

ACCORDING TO FDA AND USP

PHARMACEUTICAL • BIOTECHNOLOGY • COSMETIC • FOOD AND BEVERAGE • CHEMICAL

XP SERIES
3 PIECES BOLTED
CF3M (316L)
TFM 1600



LP SERIES
3 PIECES BOLTED
CF3M (316L)
TFM 1600



RP SERIES
3 PIECES BOLTED
F316L
TFM 1600



MP SERIES
MULTIWAYS
F316L
TFM 1600



Fugitive Emissions
ISO 15848



CE Marking
PED 2014/68/EU



ATEX II 2 GD
2014/34/EU



Vinco has been supplying some of the most demanding end customers for more than 20 years. Some examples:



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SURFACE FINISHES

ASME BPE SURFACE

MECHANICALLY POLISHED (Ra max)

μin	μm	SURFACE DESIGNATION
NO FINISH REQUIREMENT	NO FINISH REQUIREMENT	SF0
20	0.51	SF1
25	0.64	SF2
30	0.76	SF3

MECHANICALLY POLISHED AND ELECTROPOLISHED (Ra max)

μin	μm	SURFACE DESIGNATION
15	0.38	SF4
20	0.51	SF5
25	0.64	SF6

CERTIFICATION

CONSTRUCTION STANDARDS

TEST STANDARDS

<p>CE Certification acc. to PED 2014/68/EU</p> <p>ATEX II 2GD Certification acc. to 2014/34/EU</p> <p>FDA & USP Class VI certificate of compliance for nonmetallic parts.</p> <p>Company Quality System Certified acc. to ISO 9001</p> <p>Fugitive Emissions Class B acc. to ISO 15848 and TA-LUFT (VDI 2440:2000) CO1 (-46 to 200° C)</p> <p>CE (PED marker)</p>	<p>ASME BPE</p> <p>DIN 11850 R2</p> <p>ISO 1127</p> <p>SMS 3008</p> <p>ISO 5211</p>	<p>Sanitary Ball Valves are tested in accordance with ASME BPE.</p> <p>TESTS APPLIED:</p> <ul style="list-style-type: none"> Hydrostatic shell and seat test Pneumatic shell and seat test <ul style="list-style-type: none"> Buoscopic inspection Ra measurement <p>A certificate according EN 10204 type 3.1 is available for every valve.</p> <p>A certificate according EN 10204 type 3.2 is available on request.</p>
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ASME BPE TUBE (O.D)

True Bore: DN ½" to 6"

DIN 11850 R2 TUBE

True Bore: DN 10 to 50

Full Bore: DN 65 to 100

ISO 1127 TUBE

True Bore: DN 8 to 50

Full Bore: DN 10 to 100

3 Pieces Bolted

XP Series

Body / Connections Material: ASTM A351 CF3M (316L)

Material with controlled sulphur content between 0.005 and 0.017% to ensure the integrity of Orbital welding and the percentage of ferrite less than 2% in order to prevent corrosion.

Options:

ASTM A494 Hastelloy C (CW-12MW) ; ASTM A351 CF3M (316L) with ferrite \leq 0.5%; 1.4435 BN2

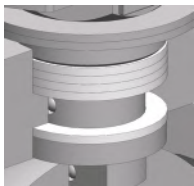
Ball Material : ASTM A351 CF3M (316L)

Stem Material : ASTM A182 F316L

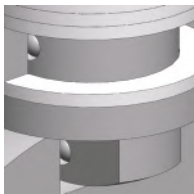
Seats/Seals Material : TFM 1600



- Encapsulated body seals for extra resistance
- Cavity Fillers available to fulfill the body cavity



- Live loaded packing self adjust ensures longer service without maintenance
- Anti-blowout stem



- Electrical conductivity is ensured between body, stem, ball and ends acc. ATEX (2014/68/EU)



Other Features:

- ISO 5211 mounting flange
- Valve bore matching the tube improves drainability of the valve (True Bore)
- Designed for improved cleanability and sterility
- Long weld ends for welding without disassembly
- Actuation at 90° handle, handwheel or actuator. Lockable lever as option
- *Internal mechanical polishing as standard with roughness Ra of less than 0.51 microns (SF1). A better finishing of Ra 0.38 micrometre (15 µ-in) (SF4) and electro-polishing are available.*



LP Series

3 Pieces Bolted

Body / Connections Material: ASTM A351 CF3M (316L)

Material with controlled sulphur content between 0.005 and 0.017% to ensure the integrity of Orbital welding and the percentage of ferrite less than 2% in order to prevent corrosion.

Options:

ASTM A494 Hastelloy C (CW-12MW) ; ASTM A351 CF3M (316L) with ferrite \leq 0.5%; 1.4435 BN2

Ball Material : ASTM A351 CF3M (316L)

Stem Material : ASTM A182 F316L

Seats/Seals Material : TFM 1600

ASME BPE TUBE (O.D)

True Bore: DN ½" to 2"

DIN 11850 R2 TUBE

True Bore: DN 10 to 50

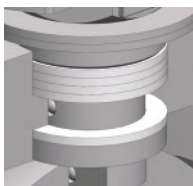
ISO 1127 TUBE

True Bore: DN 8 to 40

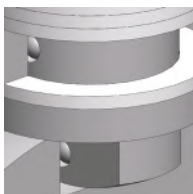
Full Bore: DN 15 to 50



- Encapsulated body seals for extra resistance
- Cavity Fillers available to fulfill the body cavity



- Live loaded packing self adjust ensures longer service without maintenance
- Anti-blowout stem



- Electrical conductivity is ensured between body, stem, ball and ends acc. ATEX (2014/68/EU)



Other Features:

- ISO 5211 mounting flange
- Valve bore matching the tube improves drainability of the valve (True Bore)
- Designed for improved cleanability and sterility
- Weld ends compatible with orbital welding
- Actuation at 90° handle, handwheel or actuator. Lockable lever as option
- *Internal mechanical polishing as standard with roughness Ra of less than 0.51 microns (SF1). A better finishing of Ra 0.38 micrometre (15 µ-in) (SF4) and electro-polishing are available.*



ASME BPE TUBE (O.D)

True Bore: DN ½" to 6"

DIN 11850 R2 TUBE

True Bore: DN 10 to 50

Full Bore: DN 65 to 150

ISO 1127 TUBE

True Bore: DN 8 to 50

Full Bore: DN 10 to 150

3 Pieces Bolted

RP Series

Body / Connections Material : ASTM A182 F316L (1.4404)

Options:

ASTM B574 Hastelloy C22 (UNS N06022) ; ASTM B574 Hastelloy C276 (UNS N10276); 1.4435 BN2

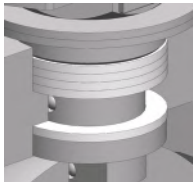
Ball Material : ASTM A182 F316L

Stem Material : ASTM A182 F316L

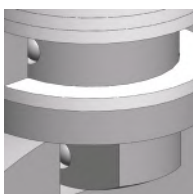
Seats/Seals Material : TFM 1600



- Encapsulated body seals for extra resistance
- Cavity Fillers available to fulfill the body cavity



- Live loaded packing self adjust ensures longer service without maintenance
- Anti-blowout stem



- Electrical conductivity is ensured between body, stem, ball and ends acc. ATEX (2014/68/EU)



Other Features:

- ISO 5211 mounting flange
- Valve bore matching the tube improves drainability of the valve (True Bore)
- Designed for improved cleanability and sterility
- Weld ends compatible with orbital welding
- Actuation at 90° handle, handwheel or actuator. Lockable lever as option
- *Mechanical polishing as standard interior finishing with roughness Ra of less than 0.51 microns (SF1).*
- *Mechanical polishing as standard exterior finishing Ra 0.76 microns polished (SF3). A better finishing of Ra 0.38 micrometre (15 µ-in) (SF4) and electro-polishing are available.*



MP Series

Multiways

Body / Connections Material : ASTM A182 F316L (1.4404)

Options:

ASTM B574 Hastelloy C22 (UNS N06022) ; ASTM B574 Hastelloy C276 (UNS N10276); 1.4435 BN2

Ball Material : ASTM A182 F316L

Stem Material : ASTM A182 F316L

Seats/Seals Material : TFM 1600

ASME BPE TUBE (O.D)

True Bore: DN ½" to 2"

DIN 11850 R2 TUBE

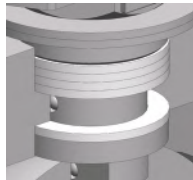
True Bore: DN 10 to 50

ISO 1127 TUBE

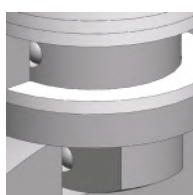
Full Bore: DN 15 to 50



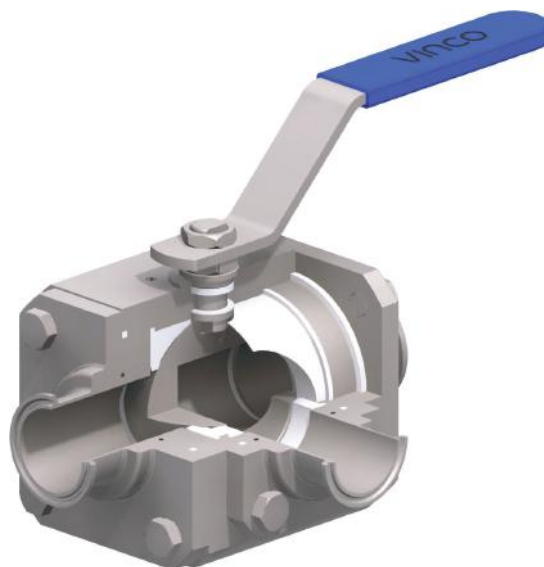
- Encapsulated body seals for extra resistance
- 4 Seats
- Cavity Fillers available to fulfill the body cavity



- Live loaded packing self adjust ensures longer service without maintenance
- Anti-blowout stem



- Electrical conductivity is ensured between body, stem, ball and ends acc. ATEX (2014/68/EU)

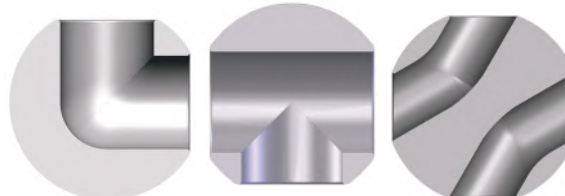


Port Configurations:

L - Port

T - Port

Double L - Port



Other Features:

- ISO 5211 mounting flange
- Valve bore matching the tube improves drainability of the valve (True Bore)
- Designed for improved cleanability and sterility
- Weld ends compatible with orbital welding
- Actuation handle (90°/180°) , handwheel or actuator. Lockable lever as option
- *Mechanical polishing as standard interior finishing with roughness Ra of less than 0.51 microns (SF1).*
- *Mechanical polishing as standard exterior finishing Ra 0.76 microns polished (SF3). A better finishing of Ra 0.38 micrometre (15 µ-in) (SF4) and electro-polishing are available.*



Features

Tank Bottom Valve



Stem Extension



Lockable Handle



Purge Port for CIP or SIP



Spring Return Handle



Actuators / Limit Switch





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