



BALL VALVE

HPM
—  —
Flow Solutions

**MANUFACTURER OF
VALVES & EQUIPMENT
FOR PETROLEUM AND
NATURAL GAS INDUSTRY**

WWW.HPMFLOW.COM

HPM

Flow Solutions

**EUROPE'S INNOVATIVE
VALVE FACTORY**



HPM Flow Solutions company was established in Bursa, Turkiye for the production of valves and equipment on a 750m2 closed and 250m2 open area. HPM Flow Solutions works to make a difference and offer the best quality to its customers.

About Us

The main product types are:

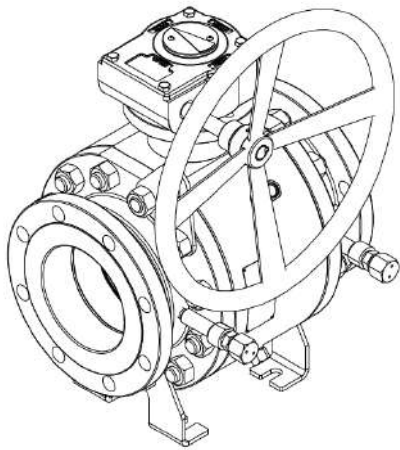
- Valves for natural gas and oil lines,
Ball, Plug, Gate, Globe, Check Valves
- Oil and gas wellhead valve and equipment.

As HPM Flow Solutions;

- We constantly inspect our suppliers and contribute to improvement efforts,
- We examine customer requests and expectations in detail and prioritize their satisfaction.
- Strengthens technological and innovative studies, and
- We prioritize the R&D approach.

Best Product & Superior Quality





FEATURES

HPM Flow ball valves are ideal for shutoff applications in the petrochemical, power, and oil & gas industries. Their design delivers high performance and reliability over extended periods.

Sizes range from **NPS 2 to 24 inches** in both **full bore and reduced bore**. HPM Flow's standard specifies that the obturator of the valve shall rotate on an axis perpendicular to the direction of flow. Also, the wrench and/or the position indicator is either in line or transverse with the pipeline when the valve is open and closed respectively.

With the wide range of HPM Flow ball valve materials available, the valves find frequent use off-shore and in similar applications where physical and chemical resistance to both flow medium and environment is of utmost importance.

HPM Flow Valves can be engineered to suit any particular client requirement.

HPM Flow Ball valves have many configurations: **floating, trunnion mounted, split body, union body, fully welded, end entry, top entry, 3-piece, etc.** There are also special service designs: metal to metal, subsea, severe conditions, double block and bleed.

- Valves designed according to API 6D
- Double block-bleed on request
- All sizes available as full bore or reduced bore
- Split Body, Full Welded and Top Entry type
- Fire safe according to ISO 10497
- Valve seats as single or double piston type
- Elastomeric and thermoplastic sealing materials to suit application
- With any type of actuator & accessories
- All sizes and classes available with metal to metal sealing
- Antistatic device and anti blow-out stem
- Secondary sealing by grease injection
- Special executions for high temp service





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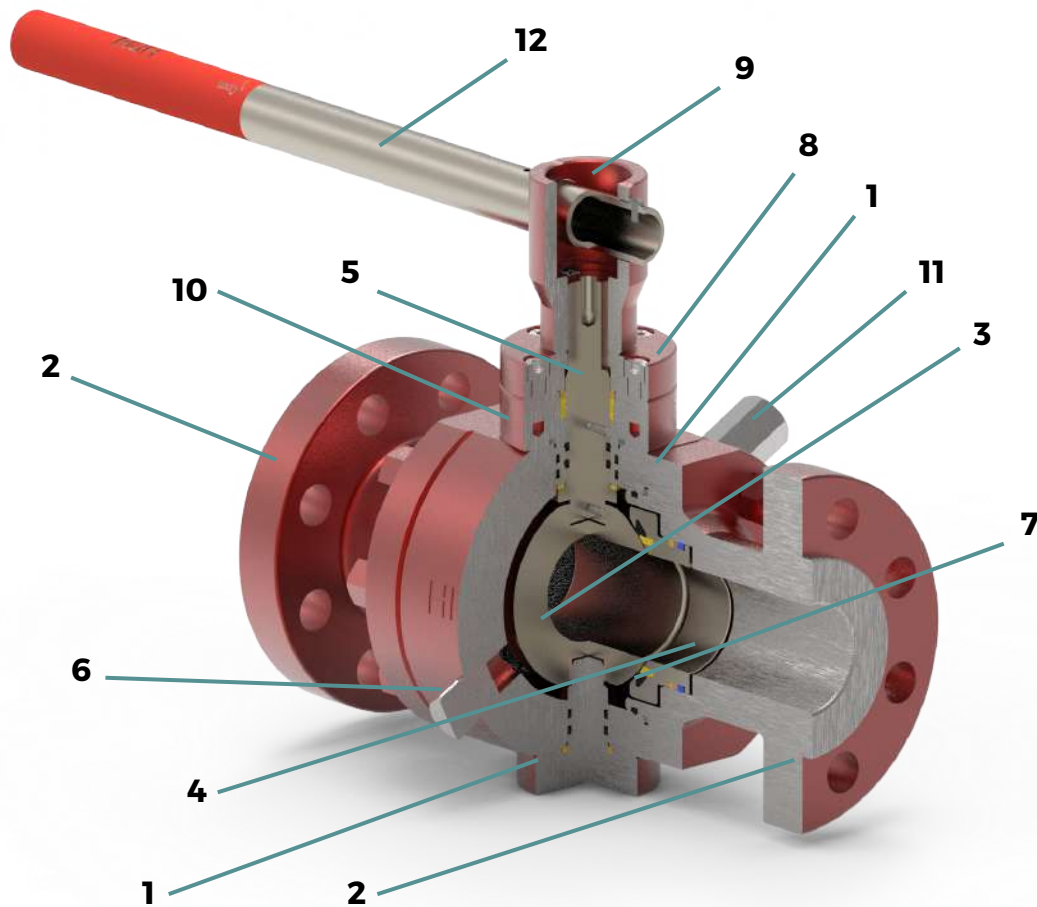
COMPLIANCE STANDARDS

HPM Flow Ball Valves are designed in accordance with international standards. They also meet the requirements of energy and oil & gas industry standards and customer specifications.

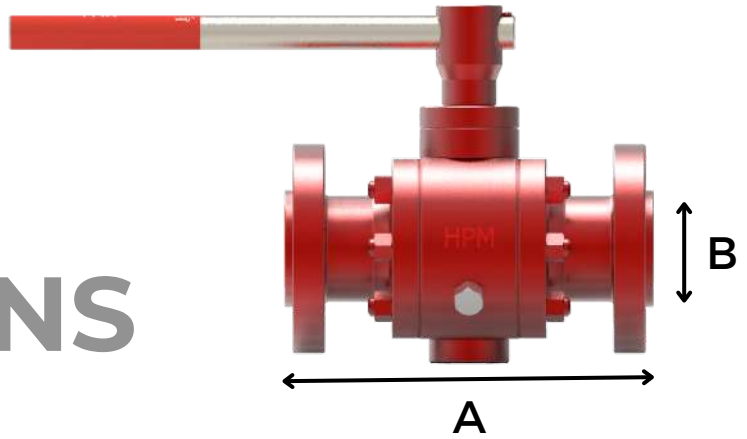
Parameter		Standard
Design		API 6D / ISO 17292
Pressure - Temperature Rating		ASME B16.34
Valve Ends	Face-to-face / End-to-end Dimensions	API 6D / ASME B16.10
	Flange End Dimensions	ASME B16.5 / ASME B16.47
	Butt-weld End Dimensions	ASME B16.25
Inspection & Test	Hydrostatic, Pneumatic, Torque and Functional	API 6D / API 598
	Fire Test	API 6FA / API 607 / ISO 10497
	Fugitive Emission	EN ISO 15848-1



MATERIALS

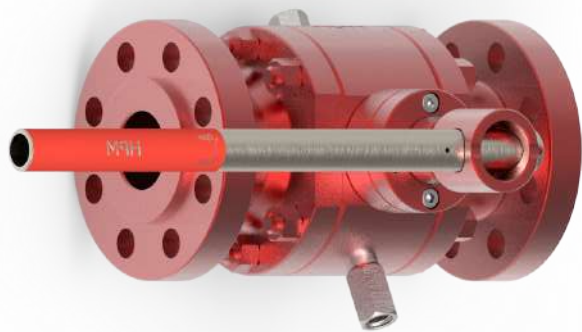


No	Parts	Materials
1	Body	ASTM A105 / LF2 / WCB / Stainless Steel
2	Cover - Bonnet - End Connectors	ASTM A105 / LF2 / WCB / Stainless Steel
3	Ball	ASTM A105 / LF2 + ENP / Stainless Steel
4	Seat Ring	ASTM A105 / LF2 + ENP / Stainless Steel
5	Stem	ASTM A105 / LF2 + ENP / Stainless Steel
6	Drain	Stainless Steel
7	Seat	HNBR / FKM
8	Locking Flange	Carbon Steel
9	Coupling	Carbon Steel
10	Gland	Carbon Steel
11	Vent	Stainless Steel



DIMENSIONS

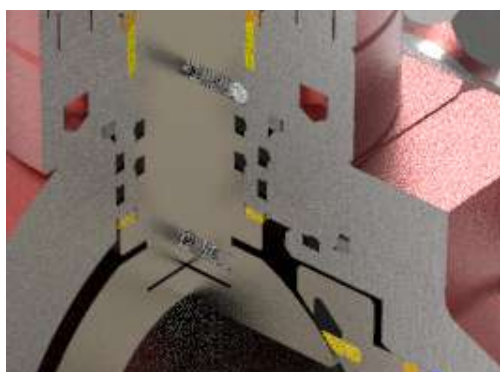
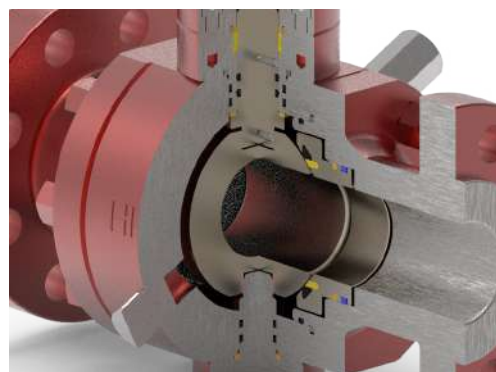
DN	CLASS	A - mm			B - mm
		RF	BW	RTJ	
2"	CL 150	178	216	191	49
	CL 300	216	216	232	49
	CL 600	292	292	295	49
3"	CL 150	203	283	216	74
	CL 300	283	283	298	74
	CL 600	356	356	359	74
4"	CL 150	229	305	241	100
	CL 300	305	305	321	100
	CL 600	432	432	435	100
6"	CL 150	394	457	406	150
	CL 300	403	457	419	150
	CL 600	559	559	562	150
8"	CL 150	457	521	470	201
	CL 300	502	521	518	201
	CL 600	660	660	664	201
10"	CL 150	533	559	546	252
	CL 300	568	559	584	252
	CL 600	787	787	791	252
12"	CL 150	610	635	622	303
	CL 300	648	635	664	303
	CL 600	838	838	841	303
14"	CL 150	686	762	699	334
	CL 300	762	762	778	334
	CL 600	889	889	892	334
16"	CL 150	762	838	775	385
	CL 300	838	838	854	385
	CL 600	991	991	994	385
18"	CL 150	864	914	876	436
	CL 300	914	914	939	436
	CL 600	1092	1092	1095	436
20"	CL 150	914	991	927	487
	CL 300	991	991	1010	487
	CL 600	1194	1194	1200	487
24"	CL 150	1067	1143	1080	589
	CL 300	1143	1143	1165	589
	CL 600	1397	1397	1407	589



DOUBLE BLOCK AND BLEED

HPM Flow manufacture Ball Valves that conform to API 6D 25 ed. The ball valve, in closed position, blocks flow from both valve ends when the cavity between the seating surfaces is vented through a bleed connection provided on the body cavity.

Inbuilt Double Block & Bleed feature enables on-line affirmation of seat sealing. The seat rings float in the flow axis against a fixed ball and line pressure forces the spring-loaded seats against the ball to effect sealing.



FIRE SAFE

HPM Flow Ball Valves are fire-safe by design and meet the requirements of API 6FA, API 607 and ISO 10497.

STEM RETENTION

The stem of HPM Flow Ball Valves has an integral shoulder that butts against a matching profile in the body to make it blowout-proof. This feature also enables online replacement of packing rings during emergency.



HPM

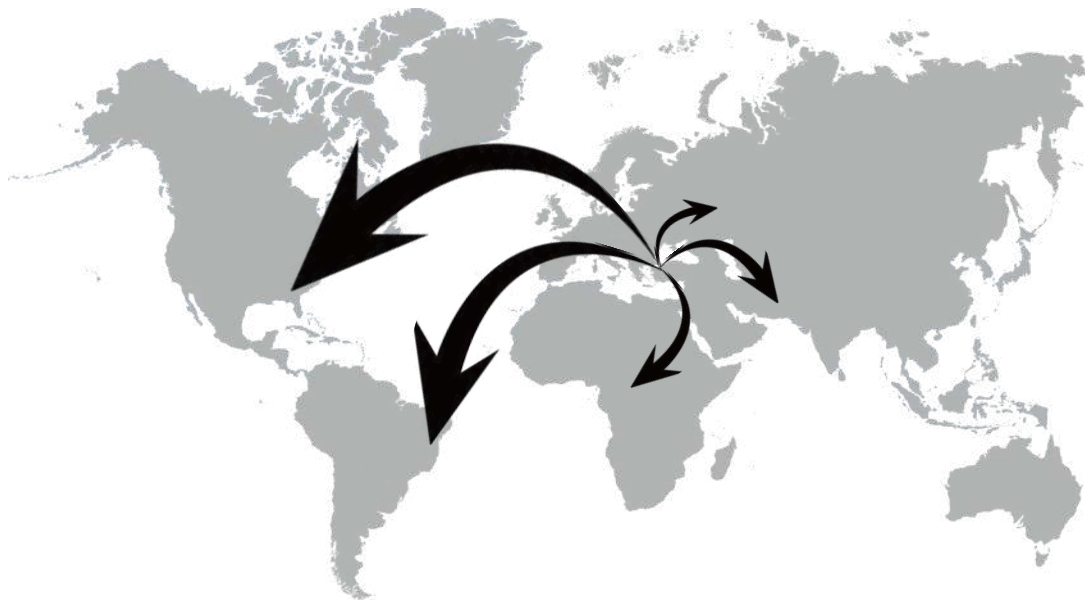
Flow Solutions

EUROPE'S INNOVATIVE VALVE FACTORY



HPM Flow Solutions established in 2024, is a company specialized in the manufacture of high quality valves.

The expertise and knowledge gained over the years has been transferred to the design and production of valves, and a Strong, Quality and Professional Valve Factory has been born.



MARKET SECTORS

HPM Flow develops and designs valves for all applications, but the main focus is in Oil & Gas, Petrochemical and Energy sectors.



Petrol



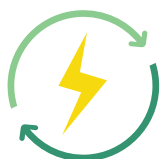
Chemistry



Industry



Gas



Energy



Oil





HPM



Flow Solutions



Technical Support



Design & Development



Manufacturing



High Level Testing and Control



7/24 Service

HPM Flow offers its customers a high level of service, from technical support to selecting the right valve, to the design and production of valves.

Our R&D department is always ready to find solutions for demanding applications.

HPM Flow offers an effective after-sales service.





**API 6D
CERT. NO
6D-2248**



**CE-PED
NOBO NO
0408**



**FIRE SAFE
ISO 10497
/ API 6FA**



**FUGITIVE
EMISSION
ISO 15848-1**



**ISO 17292
BALL VALVE
APPROVAL**



ISO 9001



ISO 14001



ISO 45001

HPM Flow Solutions, valves production range has coverage for fire-safety as per ISO 10497 and API 6FA and for fugitive emissions as per ISO 15848-1.

Also, thanks to a long-term cooperation with international / national Natural Gas & Oil companies, HPM Flow Solutions complies with many customers specifications, including design verification and validation procedures.



NOTES

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GET IN TOUCH



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HPM

Flow Solutions

Valves & Equipment

For Petroleum and
Natural Gas Industry

