

Awwons manufactures industrial valves to the latest International designed & standards. In different material variety cast & forged bodies. We offer ball valves, globe valves, gate valves, sluice valves, butterfly valves, control valves, non-return valves strainer in variety of material like cast iron, cast carbon steel, stainless steel, gun metal and engineering plastic right From PP, PVC, to PVDF for handling highly corrosive chemical at high temperature.



## Globe Valve

Awwons globe valves are meticulously engineered valve for precise, reliable and efficient isolation for vast range of chemicals and hot thermic oil heated systems, operating at up to 385 dag C.

They are made as per technical design and specifications matching relevant international standards.



## 2 Piece Ball Valve

2-piece valve bodies are investment cast Stainless Steel, solution annealed for the highest quality and added strength. All body castings are marked with a foundry heat number for full traceability

Flange End (Lever / Actuator / Gear Operated)

Extended Spindle (Lever Operated)



## 3 Piece Ball Valve

3piece ball valves feature live loaded steam seals and a redundant body seal design. Available in full and standard port models, these rugged, high pressure three piece valves are ideal for process, severe service, high temperature, and high cycle applications.

Flange End (Lever / Actuator / Gear Operated)

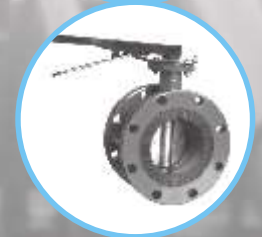
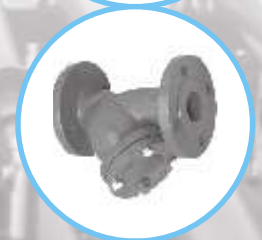
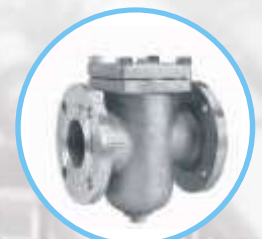
Extended Spindle (Lever Operated)

## STANDARDS

Valve Mfg. Standard Std	B.S. 5351
	B.S. 5352
	B.S. 5159
Fire Safe Standard	API-607

## TESTING - Hydraulic Test Pressure

CLASS	BODY		SEAT	
	Kg/CM2	PSI	Kg/CM2	PSI
150	32	455	22	313
300	79	110	58	796
600	155	220	118	1678



## BODY & FLANGED CONNECTOR

MATERIAL	SPECIFICATION
Carbon Steel	ASTM A105
Carbon Steel	ASTM A216 Gr. WCB
Stainless Steel	ASTM A351 Gr. CF8M
Stainless Steel	ASTM A351 Gr. CF8
Stainless Steel	ASTM A351 Gr. CF3M
Stainless Steel	ASTM A351 Gr. CF3
Alloy 20	ASTM A351 Gr. CN7M
LCB	ASTM A352 Gr. LCB

## TRIMS (CONSISTING OF BALL / PINS)

MATERIAL	SPECIFICATION (BALL / STEM)
Stainless Steel	ASTM A351 Gr. CF8M / AISI 316
Stainless Steel	ASTM A351 Gr. CF8 / AISI 304
Stainless Steel	ASTM A351 Gr. CF3M / AISI 316L
Stainless Steel	ASTM A351 Gr. CF3 / AISI 304L
13% Cr. Steel	ASTM A351 Gr. CA15 / AISI 410
Monel	ASTM A494 Gr. M35-1 /
	ASTM B164 Gr. N04400
Hastelloy C	ASTM A494 Gr. CW-12MW /
	ASTM B574 Gr. N10276
Alloy 20	ASTM A351 Gr. CN7M

## SEATS

MATERIAL	DESCRIPTION
PTFE	The most common seating material, suitable for almost all media, as it possesses excellent corrosion resistance
25% Glass-filled (reinforced) PTFE	Stronger than PTFE seats and has higher temperature / pressure ratings
Special filled PTFE	Carbon, glass and graphite-filled PTFE - suited for steam and thermal resistance and has good abrasion resistance. Good for high-cycle application.
PEEK	PEEK (Poly Ether Ether ketone) is a material that demonstrates outstanding pressure capabilities at elevated temperature - has excellent chemical and abrasion resistance.
Metal	Made of SS316 and impregnated with Graphite for sizes of up to 50mm and hard-faced with stellite for larger sizes.

## BODY SEALS

MATERIAL	DESCRIPTION
PTFE	The most common body seal material, suitable for almost all media, as it possesses excellent corrosion resistance
15%glass-filled (reinforced)PTFE	Stronger than PTFE seats and has higher temperature / pressure ratings
PEEK	PEEK (Poly Ether Ether ketone) is a material that demonstrates outstanding pressure capabilities at elevated temperature - has excellent chemical and abrasion resistance.
Graphite	Used in fire-safe valves and in steam application