VALVES for Low & High Pressures & Temp. for applications in Power Plants, Steam, Refineries, Oil & Gas Pipelines, Chemicals & Fertilizers Plants etc.

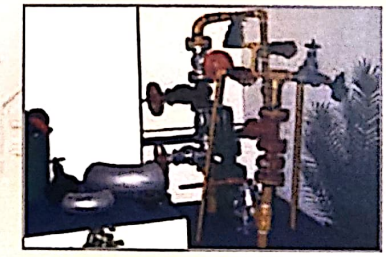


PRESSURE RATINGS:
API 600 Design
Class 150 thru 2500
ASME B16.34



Awardee of "Udhyog Patra Award"
By
The Then Vice President of India Presented
To Shri Satish Kumar Jain(Managing Director)







Estd. 1969

A.V. VALVES LTD.

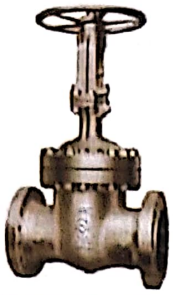
Cast & Forged Steel Valves

CAST STEEL GATE VALVES

STANDARDS

Basic Design	API 600/6D, BS 1414
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIALS Cast– Carbon Steel
- Alloy Steel
- Stainless Steel



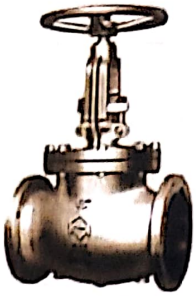
Class (rating)	Size Range (mm)
Cl 150#	40–1200
Cl 300#	40–750
Cl 600#	40–600
Cl 900,1500#	50–600

CAST STEEL GLOBE VALVES

STANDARDS

Basic Design	BS 1873
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIALS Cast– Carbon Steel
- Alloy Steel
- Stainless Steel



Class (rating)	Size Range (mm)
Cl 150#	40–400
Cl 300#	40–400
Cl 600#	40–400
Cl 900,1500#	50–400

CAST STEEL CHECK VALVES

STANDARDS

Basic Design	BS 1868 / API 6D
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIAL Cast– Carbon Steel
- Alloy Steel
- Stainless Steel



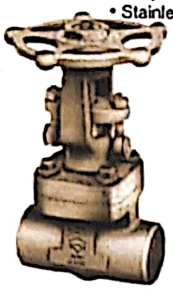
Class (rating)	Size Range (mm)
Cl 150#	40–600
Cl 300#	40–600
Cl 600#	50–600
Cl 900,1500#	50–600

FORGED STEEL GATE VALVES

STANDARDS

Basic Design	API 602 / BS5352
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIALS Forged– Carbon Steel
- Alloy Steel
- Stainless Steel



Class (rating)	Size Range (mm)
Cl 150,300,600#	15–50
Cl 800#	08–50
Cl 1500#	15–50
Cl 2500#	15–50

FORGED STEEL GLOBE VALVES

STANDARDS

Basic Design	BS 5352
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIALS Forged– Carbon Steel
- Alloy Steel
- Stainless Steel



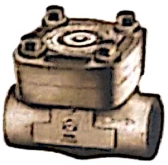
Class (rating)	Size Range (mm)
Cl 150,300,600#	15–50
Cl 800#	08–50
Cl 1500#	15–50
Cl 2500#	15–50

FORGED STEEL CHECK VALVES

STANDARDS

Basic Design	BS 5352
Face to Face	ANSI B 16.10
Flange Dimns.	ANSI B 16.5
Butt Weld Ends	ANSI B 16.25
Pr. Temp. Rating	ANSI B 16.34

MATERIALS Forged– Carbon Steel
- Alloy Steel
- Stainless Steel

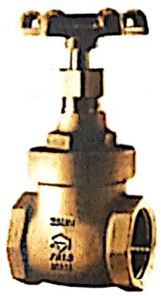


Class (rating)	Size Range (mm)
Cl 150,300,600#	15–50
Cl 800#	08–50
Cl 1500#	15–50
Cl 2500#	15–50

BRONZE GATE VALVES

FEATURES
Non Rising Stem w Threaded Bonnet Rising Stem • Union Bonnet • Solid Wedge • Screwed End to BSP & IS • Flanged Ends • High Quality Lubricated Gland Packing

MATERIALS Bronze • Brass



Class (rating)	Size Range (mm)
IS 778 PN 10/16	10–50
Cl 125,150#	10–100
Cl 200,300#	10–100
BS : 1952	10–100

BRONZE GLOBE VALVES

FEATURES
Threaded Bonnet • Union Bonnet • Bronze Disc • Teflon Disc • Straight Type Angle Type • Screwed Ends to BSP & IS • Flanged Ends • High Quality Lubricated Gland Packing

MATERIALS Bronze • Brass



Class (rating)	Size Range (mm)
IS 778	10–50
Cl 125,150#	10–100
Cl 200,300#	10–100
BS : 2060	10–100

BRONZE CHECK VALVES

FEATURES
Lift Type • Swing Type • Y-Pattern • Screwed Ends to BSP & IS • Threaded Cap • Union Bonnet

MATERIALS Bronze • Brass



Class (rating)	Size Range (mm)
IS 778	10–50
Cl 150#	10–100
Cl 200,300#	10–100
BS : 1953	10–100

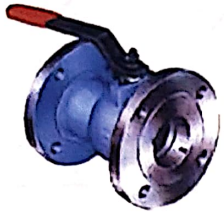
"AV" Valves meets the approval of

LR SAMSUNG ENGINEERING RITES (A GOVERNMENT OF INDIA ENTERPRISE) Bharat Petroleum MECON मेकॉन EIL ओएनजीसी ONGC इंडियनऑयल

BALL VALVES

FEATURES
Two-Piece Design • Three Piece Design • Screwed Ends • Flanged Ends Non Blow • Out Stem Design

MATERIALS Cast-Carbon Steel • Alloy Steel • Stainless Steel • Cast Iron • Valves out of Investment Casting also Available



Class (rating)	Size Range (mm)
Cl 150#	40–300
Cl 300#	40–300

BUTTERFLY VALVES

FEATURES
API 609 w AWWA C504 • BS 5155 • Flanged Type • Wafer Type • Lugged Design

MATERIALS Cast-Carbon Steel • Alloy Steel • Stainless Steel • Cast Iron



Class (rating)	Size Range (mm)
Cl 125,150#	50–1600
Fabricated B/F Valves	Upto 2000mm

DIAPHRAGM VALVE

FEATURES
Lined and unlined in Cl / CCS/SS

STANDARD
BS5156

BODY LINING
Natural Rubber • Neoprene • Butyl • Hypalon • EPDM • Ebonite



Class (rating)	Size Range (mm)
BS 5156	15– 350

CAST IRON SLUICE VALVES

FEATURES
BS 5153, IS 780, IS 2906 • Operation with Extended Shaft & Head Stock • Chain wheel drive • deep stuffing box • Trim GM/SS • Non-rising Type • (Open & Shut indicator • Back Seat arrangement(optional))

VALVES In Ductile Iron are also available.

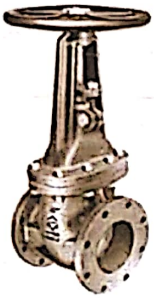


Standards	Size Range (mm)
IS 780 PN1.0/1.6	50–300
IS 2906 PN0.6/1.0	350–1200
IS 2906 PN 0.4	700–1200
IS 2906 PN1.6	350–600

CAST IRON GATE VALVES

FEATURES
Back seat arrangement • Deep stuffing box • Handwheel Rising type, ANSI Cl125#

VALVES In Ductile Iron are also available.

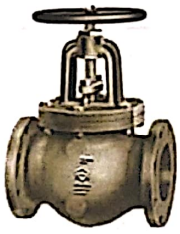


Standards	Size Range (mm)
Cl 125#	50–600
BS 5150	50–1200
IS 780/IS 2906	50–1200

CAST IRON GLOBE VALVES

FEATURES
Back seat arrangement • Deep stuffing box

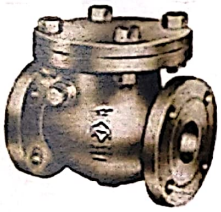
VALVES In Ductile Iron are also available.



Standards	Size Range (mm)
BS 5152	50–450
IS 9338	50–500
ANSI 125#	50–500

CAST IRON CHECK VALVES

FEATURES
Functions automatically with flow • Lift type also available



Class (rating)	Size Range (mm)
BS 5153	50–600
IS 5312(single door)	50–600
IS5312(Multi door)	500–1200

PLUG VALVES

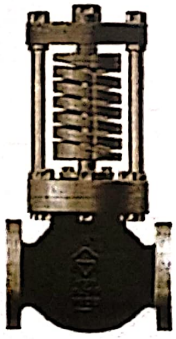
FEATURES
Cast Iron • Self Lubricating • Screwed Ends Flanged Ends • Teflon Coated Plug • PTFE Impregnated Plug



Class (rating)	Size Range (mm)
ANSI B16.5	15–125

SAFETY VALVES

MATERIALS Cast–Carbon Steel • Alloy Steel • Cast Iron



Class (rating)	Size Range (mm)
Cl 150#	50 – 300

Note: Optional arrangements available for Gate and Globe Valves: Gear (Spur & Bevel) arrangement, Electrical & Pneumatic Actuators, Chanin Wheel Drive, Bye Pass etc.

DNV BHEL HP TATA ITT S.p.A. ABB CENTRAL BOILERS BOARD GAIL

COMPANY PROFILE

A Proud History

Promoted by a traditional Valve manufacturing house since 1952. World Class Quality AV Valves are reputed for their durability, good performance and long lasting smooth operations.

Facilities

AV Valves Ltd. has in-house foundry giving the company a complete edge over competitors. The following facilities exists:-

[a] Design Engineering & Pattern Shop.

[b] A well equipped modern & environmental friendly steel foundry having a medium Frequency Electric Induction Furnace with Heat Treatment & Shot Blasting Plants. The foundry is approved by IBR, Leading Consultants & Industrial Houses.
Valve castings are produced in WCB, WC1, WC6, W9, CF8, CF8M, CF3, CF3M, 304L, 316L, LCB. Austenitic Grey Iron Castings to ASTM A436 Type 1/D2, Ni-CI castings to IS 2749, Ductile Iron ASTM to A395 and also as per specific customer requirement

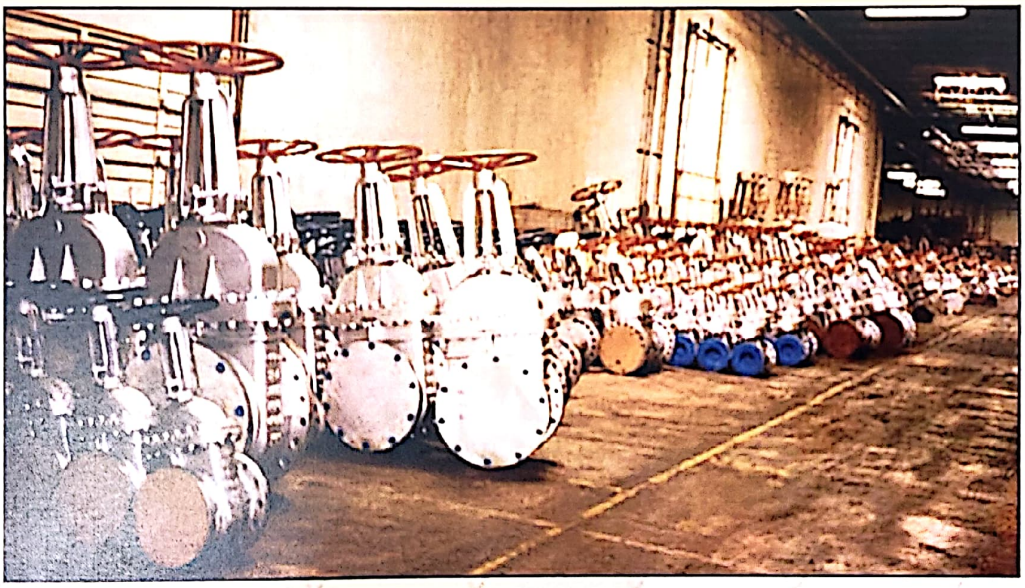
[c] D.T. & N.D.T. Testing Lab equipped with a 23 channel vacuum emission Spectrometer of Japan 'Shimatzu" make for instant computerised analysis of metals.

[d] Machine Shops with overhead cranes handling facility, Lapping machines, SPM and vertical Turret Lathes amongst others.

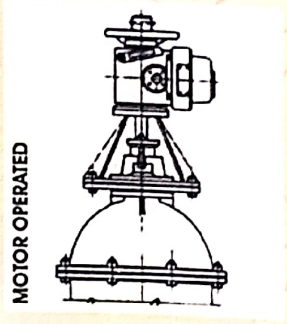
[e] Hydraulic and Pneumatic Testing bays for 100% testing of the production.

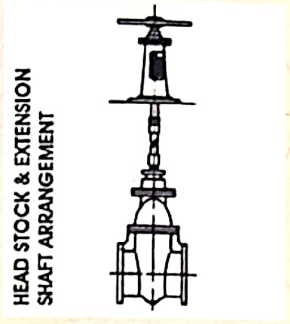
Product Application

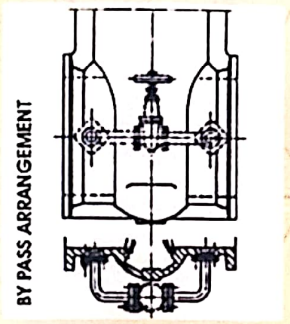
[a] Chemical & Fertilizer plants.
[b] Refineries and Petrochemical units.
[c] Cement & Textile Industry.
[d] Steel Plant.
[e] Thermal, Hydel and Nuclear Power Plants.
[f] Pulp-Paper Industry.
[g] Water & Sewerage Treatment Plants.
[h] Food and Beverage Industries.
[i] Pharmaceutical Industry & Gas Pipelines etc.

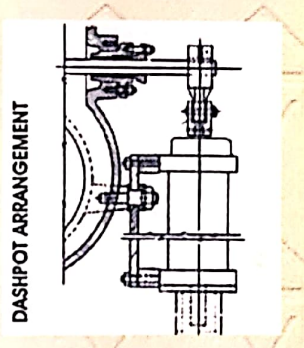


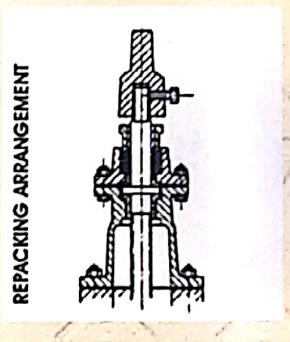
OPTIONAL ACCESSORIES OF VALVES

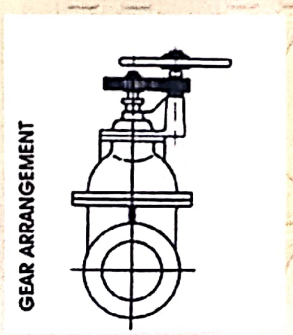

MOTOR OPERATED


HEAD STOCK & EXTENSION SHAFT ARRANGEMENT


BY PASS ARRANGEMENT


DASHPOT ARRANGEMENT


REPACKING ARRANGEMENT


GEAR ARRANGEMENT

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