‘R & D Multiples’ is a premier name in the valve manufacturing sector in India for past more than 2 decades. We have a major market share in each of the Butterfly Valves, Gate Valves, NR Valves & ARV’s etc.

We at ‘R & D Multiples’ do not only produce the valves, but look at them as a complete solution intended to perform the desired functions comprehensively. Ease of installation & friendliness for operation & maintenance are the basic considerations. We look at optimization, standardization, energy efficiency in products & production processes as the key factors in our operations. Customer satisfaction is the prime objective & our organization is oriented to strive for this. We take efforts to generate operational synergy within our company & with outside interfaces like vendors/suppliers, customers, consultants & inspection agencies etc.

Our Quality Systems are ISO 9001 certified. All our manufacturing systems are environment friendly.

We are approved by all the major customers & consultants in India. Growth of almost 300% in the past 4 years has not only increased our hunger further but also has given us a reason & resolve to strive for more in the years to come.

Two well-equipped manufacturing plants in Gujarat (150 km from Mumbai), Head Office & Marketing HQ in Mumbai, Engineering Centre in Pune & Marketing & Servicing network spanning the whole country has given us the access to the remotest of the markets & customers.

‘Growth through Innovation’ is our motto & the organization culture flourishes on this theme.
We, R & D Multiples, are a company engaged in the Design, Development, Manufacturing, Marketing & Servicing of various kinds of valves.

Management:
R & D Multiples is a company owned by Bagaria family. Mr. Sunil Bagaria & Mr. Sandeep Bagaria are well qualified directors who look after working of the company. Each of them has more than 25 years’ experience & exposure in techno-commercial as well as financial aspects.
They are supported by highly qualified & experienced team of officials in different areas such as Marketing, Manufacturing, Design & Development etc. particularly in the valves field.

Infrastructure & Facilities:
Our two manufacturing plants are equipped with facilities such as machinery for Turning, Boring, Drilling, Milling & Planing. These are suitable for manufacturing valves from 50mm to 3000mm sizes.
We also have full-fledged fabrication facilities for mild steel as well as stainless steel fabrication.
We have fully equipped engineering offices. Our engineering staff is well trained to take care of the design & development & also customer support drawings & data against specific enquiries & orders.
Around 300 workmen are trained in different areas to ensure expeditious & consistent quality production. Our total plant area is: 7000 Sq.m. (additional 2000 Sq.m. under construction.) We have set-ups for the final product testing. Moreover we have the necessary equipment for all the basic quality & ND Tests. We have trained & skilled technicians who use this equipment.

Based on the above strengths we have developed the following products in house: Resilient Gate Valve, Large BFV, Compact tamper-proof Air Release Valves (AWWA C512), HOPD BFV, Large DPCV, Tilting Disc NRV, Anti Vacuum Valve, Flap Valve, Sluice Gates, Large Sluice Valves, Gear-Boxes.

We have a very strong & capable support base of vendors in the Foundry, Pattern Making, Machining areas in addition to the supply of raw materials & bought-outs. All the Pattern equipment, tools, dies, Jigs & Fixtures for our products are owned by us.

Special Testing: In order to establish the efficiency, robustness & longevity of our products in general & the critically loaded components in particular, we have developed many specially built test arrangements /set-ups & techniques such as:

- Proof Of Design (POD) Testing of Butterfly valves
- Endurance Cycle testing for DPCV
- Load (Torque) Capability Testing for Gearbox operators
- Multi-purpose Hydraulic test rig

We have also got our products tested by following external Institutes / agencies: Faculty at IIT Mumbai

We have also got FE Analysis done for critical components of our products.
Valves for water-works is our primary focus. We are approved by State Irrigation & Water Supply Departments / Boards, Municipal Corporations, Infrastructure Developers, State Electricity Boards, Power Sector companies, NTPC, NPCIL, Industrial Development Corporations, Process Plants, Steel Mills etc. Our valves are used in Pump-houses, Rising, Transmission & Distribution mains. The Valves perform the duties such as Isolation, Flow Regulation, Air release & Anti-Vacuum, Non-return & Scour duty. In thermal power plants our valves are used in all the applications including condenser cooling, pump discharge etc.

We are approved by consultants such as: TCE, Desein, Toyo, Nippon Japan, DCPL, MM, Mecon, MN Dastur, Fichtner, & customers such as BWWSB, HMWSSB, MCGM, GWSSB, GWIL, NTPC, NPCIL, PCTIL, MEIL, VRCL, Jyoti Ltd, RVUNL etc. We have supplied many valves to ADB & JBIC financed projects.

Inspection agencies which regularly visit our plant for inspection of the products are: BVQI, IGIS, IRS, Iteng, SGS, BHEL, NTPC, NPCIL, TCE, EIL, PDIL etc.
Our range of products is comprehensive for waterworks applications. We supply valves for practically each & every foreseeable application & duty. Our Range of Products is as follows:

**Butterfly Valves**: (AWWA C504, BS EN 593) : Drive:- Lever, QTWGB, Actuator (Elect./ Pneumatic / Electro - Hydraulic).

**Wafer-liner type** (50 mm to 600mm, PN 1.0 & PN 1.6 MPa) : Double Flanged: (50mm to 3000mm. Up-to TN 2.5 MPa).

Construction: Cast, Fabricated, Rubber-Lined (up-to 3000mm).

**Sluice Valves** : Cast, Metal Seats (Bronze /St. Steel), Rising & Non Rising Stem Types.(50 to 1500mm.PN 1.0 & PN 1.6 MPa.).
Drive: Hand-wheel, SG Box, Elect Act.

Dual Plate Check Valves : Double Flanged / Wafer/ Lug Wafer. Cast, Fabricated, Rubber Lined. PN 1.0, 1.6 & PN 2.5 MPa).
Seats: Metal to Metal (St. Steel), Resilient (Rubber to St. Steel).

**Resilient Seated Gate Valves** : Rising & Non Rising Stem Types.50 to 600mm. PN 1.0, PN 1.6 MPa. (BS 5163/ IS 14846).

**Swing Type NRVs** : Single Door: (Up-to 600 mmm) & Multi-Door: (Up-to 1500mm). PN 1.0 & PN 1.6 MPa.

**Axial Flow Control Valves** : (For Flow / PressureRegulation): Sizes: 80 to 1800mm. PN 1.0, 1.6 & PN 2.5 MPa. Metal to Metal/Resilient seated. QTWGB & Elect.Actuator drive.

Tilting Disc Check Valves : DF. Up-to : 1800mm.PN 1.0 & PN 1.6 & PN 2.4MPa. With Cwt. & Hydraulic Dashpot Arrgt.

**Air Release Valves**: Combination Type, Tamper-proof. 25 to 200 mm; PN 1.0, 1.6 & 2.4 MPa. (AWWA C-512, IS 14845).
Combination type, Kinetic.

**Anti-Vacuum Valves** : Cowl type with Hydraulic dash-pot (200 to 380mm) & counter-weight. OR Spring Loaded design. (50mm to 800mm). PN 1.0, 1.6 & 2.4 MPa.

**Gear Boxes** : Quarter Turn type worm GB for BFV/Spur GB (Sluice Valve, BFV) / Bevel GB (Sluice Gate).
Torque Rating: 150 Nm to 2800 Nm.

Sizes & pressures as required.

**Float Valves** : 50 to 600mm PN 1.0, 1.6MPa. Automatic Level Control in OHSR/tanks. With auxiliary tank & auxiliary (Cordyn type) float valve.

**Flap Valves** : Circular, Rectangular. Metal to Metal/ Resilient Seated. Sizes as required.

---

**R & D MULTIPLES (METAL-CAST) PVT. LTD.**

An ISO 9001 Certified Company

**Head Office**
106, United Industrial Estate,
Mogul Lane, Mahim,
Mumbai 400 016, Maharashtra, India.

**Tel** : +91 - 22 - 4004 4425/26/27/28/29
**Fax** : +91 - 22 - 4004 4430
**E-mail** : mumbai@rdmultiples.com
**info@rdmultiples.com**

**Plant 1**
A-1/17, GIDC, Pardi - 396 125, District Valsad, Gujarat.

**Plant 2**
Survey No. 304, Village Balda, Pardi - 396 125, District Valsad, Gujarat.

**Engineering Division Office**
C2-403, Saudamini Complex, Survey No. 101/1, Bhusari Colony, Paud Rd, Kothrud, Pune 411038, INDIA.