



Engineer's Choice



W i n n i n g W a y s

When you have a good thing going it is quite in the fitting of things that recognitions come our way. Several prestigious awards, which decorate our shelf, say it all. These rewards not only acknowledge our position as a leader in the Water Pump Industry but also serve as reminders about what the customer expects from a winner. And we, as ever, have our ears perfectly tuned to customer expectations.

 **Commitment**
 **Reliability**
 **Innovation**

C.R.I. PUMPS PVT LTD.

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C.R.I. COMPANY PROFILE

The Change Agent

Powered by technology and the spirit of innovation, C.R.I. has always set the benchmark when it comes to quality and performance. C.R.I. has what it takes experience, expertise, commitment and a clear vision to be a precursor of change, an innovator of new technologies and a standard bearer for quality.

Today, C.R.I. is a multi-winged organization that produces different varieties of pumps and motors that are engineered to perfection. The name C.R.I. itself encapsulates the company's ethos: "Commitment, Reliability, Innovation" and it has now become a household name associated with pumping solutions.

The Dawn

The C.R.I. success story began in the year 1961 with the manufacture of irrigation equipment at an in-house foundry with very limited facilities. There has been no looking back since then. Today, C.R.I. is one of the leading names in the manufacture of pumping systems globally with the vision and the capability to be counted as one among the top global pump companies.

With its comprehensive range of products over 2300 models C.R.I. is catering to diverse customer profiles including Residential, Agriculture, Industries, Building services, General Water supply, Mining, Oil & Gas, Sewage & Waste Water and Coal Bed Methane applications.

Quality Knows No Boundaries

C.R.I.'s unwavering determination had made us a strong presence in more than 120 countries with its 8 subsidiary companies, 5000 plus channel partners and more than 1500 Authorised service centers. With a solid production capacity of over 3 million pumps per annum C.R.I. has been rated as one among the best brands worldwide. Besides in recognition of its pioneering efforts and contribution to the cause of progress and quality C.R.I. has been honored with many prestigious awards including: Export Excellence Award for 12 years since 2003, The ISO 9001 and ISO 14001 certified company, spanning across 300,000 sq.mtr. covered area, has a strong R & D wing recognised by Ministry of science & technology which is one of the best in the world and are equipped with the latest in technology for research and design. C.R.I. constantly upgrades the product features to match with the ever changing market trend & customer needs.



**Double Chamber
Double Orifice Air Valve**

Design Standard : IS 14845
Size Range : DN 50 to DN 300
Pressure Rating : PN 10, PN 16
Flange Drilling : IS 1538
MOC : CI / DI



Swing Check Valve

Design Standard : EN 12334
Size Range : DN 50 to DN 400
Pressure Rating : PN 10, PN 16
Flange Drilling : EN 1092-2 / IS 1538
MOC : CI / DI



Flow Control Valve

Design Standard : Mfg. Std.
Size Range : DN 50 to DN 500
Pressure Rating : PN 10, PN 16
Flange Drilling : EN 1092-2
MOC : DI



**Wafer Butterfly Valve
- Concentric**

Design Standard : IS 13095 / EN 593 / AWWA C504
Size Range : DN 40 to DN 600
Pressure Rating : PN 10, PN 16
Flange Drilling : ASME B16.5 / BS 10
MOC : CI / DI



Metal Seated Gate Valve

Design Standard : IS 14846
Size Range : DN 50 to DN 1200
Pressure Rating : PN 10, PN 16
Flange Drilling : IS 1538
MOC : CI



**Dual Plate Check Valve
- Wafer**

Design Standard : API 594 / 6D
Size Range : DN 40 to DN 600
Pressure Rating : PN 10, PN 16
MOC : CI / DI

SINGLE CHAMBER DOUBLE ORIFICE AIR VALVE

C.R.I. Air Valve conforms to IS / AWWA / EN standards. Its unique feature is single chamber with double orifice can effectively performs the 3 functions and in Tamper Proof design. Air valves are made with different grades of Ductile Iron. Air Valves are being tested and certified by Fluid Control Research Institute (FCRI).

Our valve is suitable for applications including potable water and irrigation. Air Valves are fusion bonded epoxy coated both on the interior as well as the exterior surfaces of the valve, flange surfaces are also fully epoxy coated.

Valves are suitable for Drinking Water applications and also suitable for chamber less installations.

Fusion Bonded Epoxy Coating internally and externally with min. thickness of 250 Microns.

WRAS / NSF61 Approved.

FCRI Certified.

General Specifications :

- ▶ Governing Standard : IS 14845 / EN 1074-1&2 / AWWA C-512
- ▶ Flange drilling : EN 1092-2 / IS 1538
- ▶ Size Range : DN 50 to DN 200
- ▶ Pressure Rating : PN 10, PN 16

Testing :

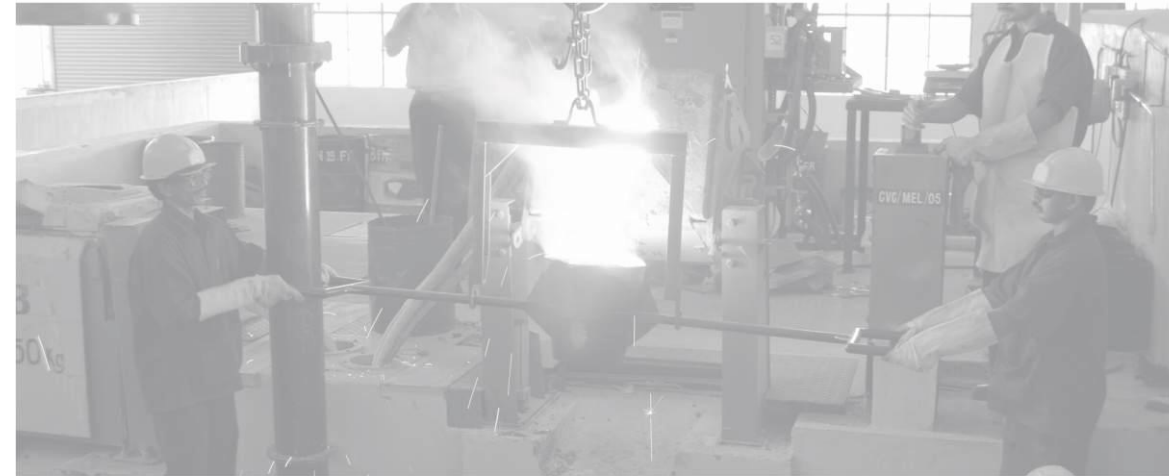
- ▶ EN 12266-1
- ▶ Body test : 1.5 times of PN
- ▶ Seat test : 1.1 times of PN

Materials Specification :

Body / Bonnet / Top Cover	DI (GGG 40/50)
Float	Stainless Steel
Float guide	SS
Seat	NBR/EPDM
O-ring	NBR/EPDM
Seal Orifice	EPDM
Strainer	SS
Guide plate	SS

Options :

- ▶ With Shutoff Valve (Gate Valve/ Butterfly Valve -Wafer).
- ▶ With drain plug on request.



C.R.I. Manufactures and Supplies a wide ranges of Valves for Flow Management solutions.

Product Ranges for Water Applications

- ▶ Air Valves
- ▶ Resilient Seat Gate Valves
- ▶ Sluice Gate Valves (Metal Seated Gate Valves)
- ▶ Butterfly Valves
- ▶ Control Valves
- ▶ Check Valves - Swing type / Ball type / Dual Plate
- ▶ Knife Edge Gate Valves
- ▶ Y - Type Strainers
- ▶ Dismantling Joints and Flexible Joints
- ▶ Ductile Iron fittings

RESILIENT SEATED GATE VALVE – NON RISING STEM

C.R.I. Resilient Seat Gate Valve conforms to BS / IS / EN / ISO standards. Its unique features like integral wedge nut and triple O-ring sealing make the valve maintenance and trouble free operation. Resilient Gate Valves are made with different grades of Ductile Iron body and wedge with encapsulation of EPDM rubber makes valve resilient seated and bubble tight shut off.

Our Valve is suitable for wide range of applications including potable water, neutral liquids, irrigation, heating and chilled water, fire systems etc. Resilient seated gate valves are fusion bonded epoxy coated both on the interior as well as the exterior surfaces of the valve, flange surfaces are also fully epoxy coated.

Valves can be used for Isolation / On / Off purpose and can withstand up to temperature of 70° C.

Valves are suitable for buried/underground installations.

Fusion Bonded Epoxy Coating internally and externally with min. thickness of 250 Microns.

WRAS / NSF61 Approved.

FCRI Certified.

General Specifications :

- ▶ Governing Standard : BS 5163 type A
- ▶ Face to Face : BS 5163 / EN 558-1
- ▶ Flange drilling : EN 1092-2 / IS 1538
- ▶ Size Range : DN 50 to DN 600
- ▶ Pressure Rating : PN 10, PN 16
- ▶ Mode of operation : Hand Wheel, Gear Box, Electrical Actuator, Pneumatic Actuator
- ▶ Top Mounting pad in acc. With ISO 5211 can be provided on request

Testing :

- ▶ EN 12266-1 & IS 14846
- ▶ Body test : 1.5 times of PN
- ▶ Seat test : 1.1 times of PN

Material Specification :

Body/Bonnet	Ductile Iron – GGG40/50
Wedge	EPDM encapsulated DI
Stem	Stainless Steel 420
Stem Nut	LTB-2
Gasket	EPDM
Hand Wheel	Ductile Iron

Options :

- ▶ Extension Spindle / Tee- Key
- ▶ Bypass Arrangement



DOUBLE FLANGED DOUBLE ECCENTRIC BUTTERFLY VALVE

C.R.I. Double Flanged Double Eccentric Butterfly Valve conforms to BS / IS / ISO standards. Its unique features like EPDM seat ring make valve as resilient seated and 100% tight shutoff. The proven technology, double eccentricity of the disc makes the valve operation smooth in open & closed conditions. Butterfly Valves are made with different grades of Ductile Iron.

Our valve is suitable for wide range of applications including potable water, power plants, neutral liquids, irrigation, heating and chilled water, fire systems etc. Butterfly Valves are fusion bonded epoxy coated both on the interior as well as the exterior surfaces of the valve, flange surfaces are also fully epoxy coated.

Valves can be used for Isolation / On / Off purpose / regulating duty and can withstand up to temperature of 70° C.

Valves are suitable for buried/underground installations.

Fusion Bonded Epoxy Coating internally and externally with min. thickness of 250 Microns.

WRAS / NSF61 Approved.

FCRI Certified.

General Specifications :

- ▶ Governing Standard : EN 593 / IS 13095 / EN 1074-1&2
- ▶ Face to Face : EN 558-1
- ▶ Flange drilling : EN 1092-2 / IS 1538
- ▶ Size Range : DN 200 to DN 1500
- ▶ Pressure Rating : PN 10, PN 16
- ▶ Mode of operation : Hand Wheel, Electrical Actuator, Pneumatic Actuator.

Testing :

- ▶ EN 12266-1
- ▶ Body test : 1.5 times of PN
- ▶ Seat test : 1.1 times of PN

Material Specification :

Body/Bonnet	Ductile Iron – GGG40/50
Disc	Ductile Iron – GGG40/50
Retainer Ring	Ductile Iron – GGG40/50
Seat Ring	EPDM
Revert Pins	Stainless Steel
Hand Wheel	Ductile Iron
Gear Box	Ductile Iron

Options :

- ▶ Extension Spindle / Tee- Key.

