

Resilient Seated Gate Valve



Product Description



IVALVE RESILIENT SEATED GATE VALVE

EN 1074 – 2 : 2000 * DN40...DN600 * PN10,16,25



NRS RSGV

Features:

- Design comply to EN1171 / EN1074
- Face to face lengths are to EN558-1, DIN 3202 F4 / F5, BS 5163
- Flanges are drilled to EN 1092-2
- Pressure Rate: PN10/16
- Test: Body test 1.5 x PN, Seal test 1.1 x PN
- Coating: Fusion bonded epoxy coating
- Medium: Neutral water, Drinking water, Sewage
- Temperature Range: 0°C - 80°C
- Clockwise closing (CWC) as standard
- Operation: Handwheel, Square cap, Gearbox, Electric actuator
- 100% water tightness
- Completely free and full bore, self cleaning & low pressure loss.
- Threads rolled in a separate cold pressing process to enhance strength, Standard material AISI-420 (X20C13)
- Rolled threads ensure smooth thread edges and low operating torques
- Bonnet and gland bolts are in 8.8 grade carbon steel, sealed with hot melt to prevent corrosion.
- O-ring bonnet gasket wraps each bolt to prevent corrosion
- Wedge: Ductile iron fully encapsulated as standard by EPDM. Linear sealing design provides better sealing & lower closing torque.
- Wiper ring - prevent impurities from entering the stem and to protect o-rings
- The watertightness for the spindle is obtained with three o-rings stem seals. Two o-rings to reduce friction and prevent wear and tear, online replaceable under full pressure with valve fully opened; Third o-ring protects upper stem from impurities entering from the water way
- Coating - Electrostatically applied fusion bonded epoxy coating inside and outside for excellent corrosion resistance. Standard color similar to RAL 5005, other colors upon request.
- Designed and built to widely recognized international standards.
- 100% testing before packing and delivery



DESIGN FEATURES | Resilient Seated Gate Valve

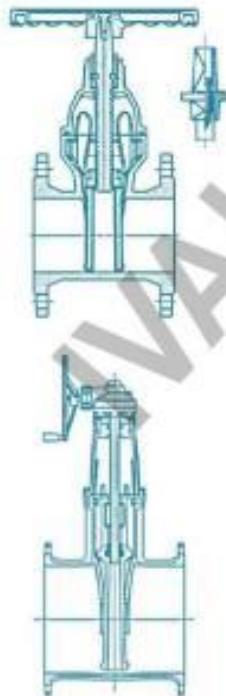
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Standard Materials:

Body, Bonnet,	Ductile iron
Disc / Wedge	Ductile iron encapsulated with EPDM-rubber compound
Stem	Stainless steel 420
Wedge Nut, Thrust Collar	Brass
Bonnet Bolts, Gland Bolts	Zinc Plated Steel sealed with hot melt
Bonnet Gasket, Wiper Ring	NBR rubber
O-Ring Stem Seals,	
Handwheel / Square cap	Ductile iron



Size	Face to face (L)			END FLANGE EN 1092-2		
	DIN F4	DIN F5	BS 5163	D	K	n-d
DN40	140	240	165	150	110	4- Φ 19
DN50	150	250	178	165	125	4- Φ 19
DN65	170	270	190	185	145	4- Φ 19
DN80	180	280	203	200	160	8- Φ 19
DN100	190	300	229	220	180	8- Φ 19
DN125	200	325	254	250	210	8- Φ 19
DN150	210	350	267	285	240	8- Φ 23
DN200	230	400	292	340	295	8- Φ 23 / 12- Φ 23
DN250	250	450	330	395 / 405	350 / 355	12- Φ 23 / 12- Φ 28
DN300	270	500	356	445 / 460	400 / 410	12- Φ 23 / 12- Φ 28
DN350	290	550	381	505 / 520	460 / 470	16- Φ 23 / 16- Φ 31
DN400	310	600	406	565 / 580	515 / 525	16- Φ 28 / 16- Φ 31
DN450	330	650	432	615 / 640	565 / 585	20- Φ 28 / 20- Φ 31
DN500	350	700	457	670 / 715	620 / 650	20- Φ 28 / 20- Φ 34
DN600	390	800	508	780 / 840	725 / 770	20- Φ 31 / 20- Φ 37
DN700	430	900	610	895 / 910	840	24- Φ 31 / 24- Φ 37
DN800	470	1000	660	1015 / 1025	960	24- Φ 33 / 24- Φ 39

D: outer flange dimension

K: center-to-center spacing

n-d: number of flange holes and bore diameter

DATA SHEET | Resilient Seated Gate Valve