

Model No. : LYE 555 D.I.

# BS5163 PN16 **LYE** **RESILIENT SEAT**

Non - Rising Stem Gate Valve

## TYPE B



# BS5163 PN16 **LYE** **METAL SEAT**

Non - Rising Stem Gate Valve

## TYPE B



Rgn No : Q120588  
ISO 9001:2008 Certified



**LYE MANUFACTURING SDN. BHD. (32836-11)**

Manufacturer of Valves, Hydrants, Joints, Fittings & Manhole Covers.

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# BS5163 PN16

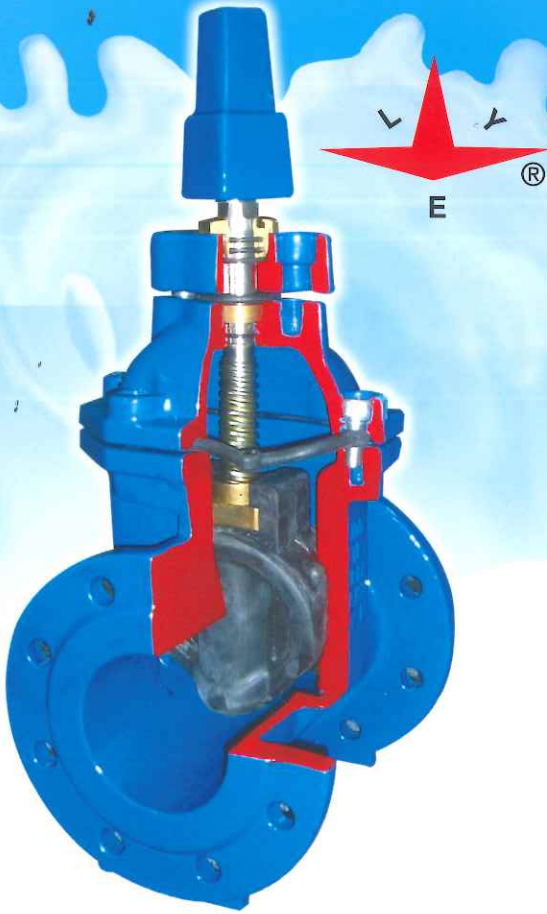
# RESILIENT SEAT

## Non - Rising Stem Gate Valve **TYPE B**

LYE Resilient / Metal Seated Ductile Iron Gate Valve or commonly known as Sluice Valve is designed to comply with BS 5163 Type B.

### ADVANTAGES OF LYE RESILIENT GATE VALVE

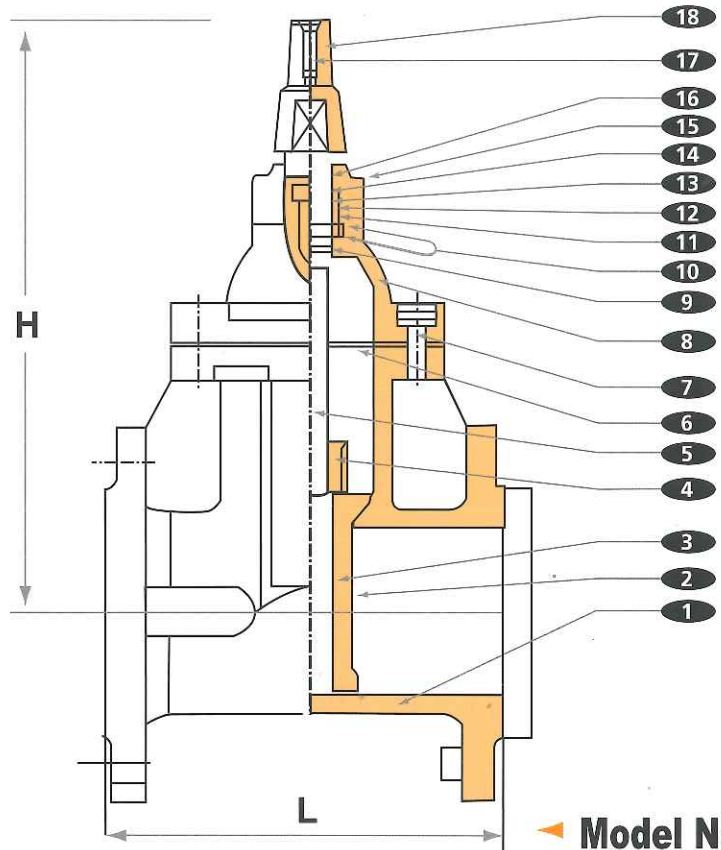
1. Straight through bore
  - a) Full Flow - The clear bore in the open position ensures optimum flow characteristics through the valve thereby reducing head loss.
  - b) Full Close - No accumulation of debris under the wedge enabling the valve to be fully closed.
2. Lower operating torque
  - a) Savings on automatic operators.
  - b) Less efforts required.



• DN 50mm ~ DN600mm - Resilient Seat

### MATERIAL FOR MAIN PARTS

ITEM	COMPONENTS	MATERIAL	STANDARD	GRADE
1	BODY	Ductile Iron	BS EN 1563	500/7
2	RUBBER COATING DN 50mm ~ 300mm	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
3	WEDGE	Ductile Iron	BS EN 1563	500/7
4	STEM NUT	Gun Metal	BS 1400	LG2
5	STEM	Stainless Steel	BS 970:Part 1	431529
6	GASKET	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
7	BOLTS	Steel Stainless Steel	BS 3692 BS 970:Part 1	Grade 5 431529
8	BONNET	Ductile Iron	BS EN 1563	500/7
9	O-RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
10	TRUST COLLAR	Gun Metal	BS 1400	LG2
11	O-RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
12	O-RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
13	SLEEVE	Gun Metal	BS 1400	LG2
14	O-RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
15	GLAND	Ductile Iron	BS EN 1563	500/7
16	DUST-PROOF COVER	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
17	BOLTS	Steel Stainless Steel	BS 3692 BS 970:Part 1	Grade 5 431529
18	CAP	Ductile Iron	BS EN 1563	500/7



Model No. :

### DIMENSION: MM

SIZE	50	80	100	150	200	250	300	350	400	450	500	600
L	178	203	229	267	292	330	356	381	406	432	457	508
H	344	399	421	512	598	701	784	940	1040	1144	1240	1436
L	With By-Pass Valve									650	700	800





**BS5163 PN16**

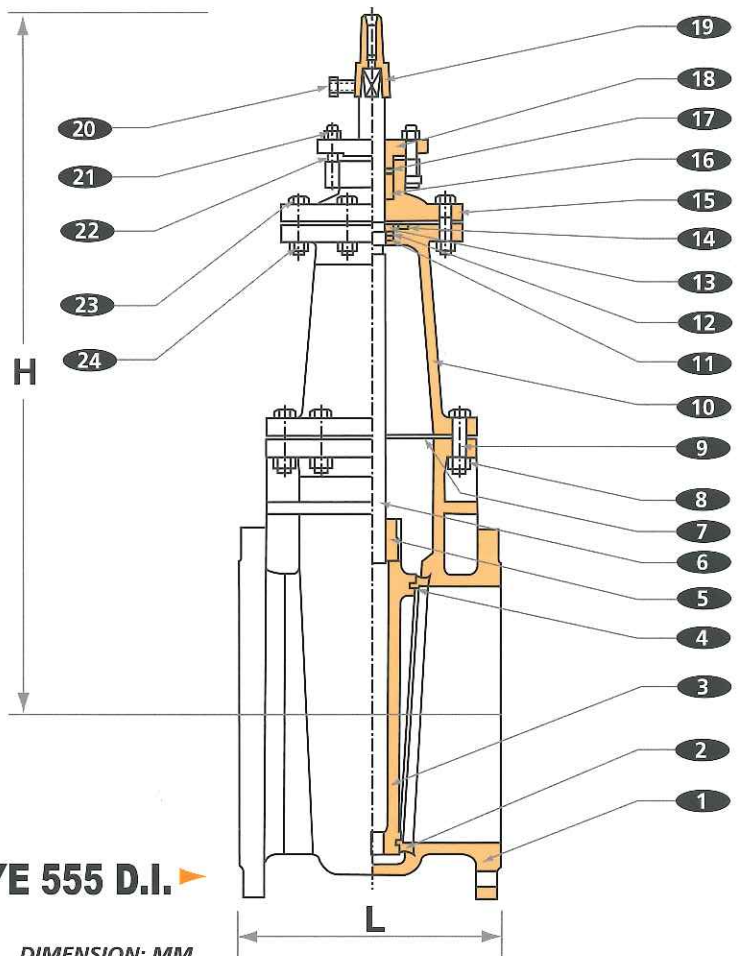
# METAL SEAT

## Non - Rising Stem Gate Valve **TYPE B**



3. Dust seal prevent ingress of foreign object.
4. Rubber covered gate
  - a) Drop tight closure.
  - b) Would not be damaged by any foreign object.
  - c) Gate chatter eliminated.
5. Internal and external body is coated with polymeric coating - fusion bonded epoxy coating, it gives excellent resistance to corrosion, abrasion, wear and tear.
6. Allow inspection and stem seal renewal under full operating pressure when gate is in open position.
7. Protects stem housing, especially in buried service conditions.
8. Bolts sealed with wax to prevent corrosion.

• DN50mm ~ DN600mm - Metal Seat



**MATERIAL FOR MAIN PARTS**

ITEM	COMPONENTS	MATERIAL	STANDARD	GRADE
1	BODY	Ductile Iron	BS EN 1563	500/7
2	SEAT SEALING	Gun Metal	BS 1400	LG2
3	WEDGE	Ductile Iron	BS EN 1563	500/7
4	WEDGE SEALING	Gun Metal	BS 1400	LG2
5	STEM NUT	Gun Metal	BS 1400	LG2
6	STEM	Stainless Steel	BS 970	431S29
7	GASKET	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
8	NUT	Carbon Steel	BS 4190	
9	BOLT	Carbon Steel	BS 4190	
10	BONNET	Ductile Iron	BS EN 1563	500/7
11	BACK SEAT	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
12	WASHER	Stainless Steel	304	
13	BEARING	Gun Metal	BS 1400	LG2
14	O RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
15	PACKING BOX	Ductile Iron	BS EN 1563	500/7
16	O RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD hardness)
17	COLLAR	Gun Metal	BS 1400	LG2
18	GLAND	Ductile Iron	BS EN 1563	500/7
19	CAP	Ductile Iron	BS EN 1563	500/7
20	BOLT	Carbon Steel	BS 4190	
21	NUT	Carbon Steel	BS 4190	
22	T-BOLT	Carbon Steel	BS 4190	
23	BOLT	Carbon Steel	BS 4190	
24	NUT	Carbon Steel	BS 4190	

TYPE 555 D.I. ▶

DIMENSION: MM

SIZE	50	80	100	150	200	250	300	350	400	450	500	600
L	178	203	229	267	292	330	356	381	406	432	457	508
H	344	399	421	512	598	701	784	1118	1194	1297	1382	1580
L	With By-Pass Valve									650	700	800

Flanges designed and drilled according to BS EN 1092-2 Table 9



LYE D.I. FITTINGS



LYE Y-STRAINER



LYE D.I.T-POT STRAINER



LYE FLANGE ADAPTOR



LYE STRAIGHT COUPLING / VA / DJ



LYE D.I. - SADDLE



LYE D.I. - SWING CHECK VALVE



LYE D.I. - DUAL DOOR CHECK VALVE



LYE D.I. LEVEL HANDLED TYPE BUTTERFLY VALVE



LYE D.I. BUTTERFLY VALVE c/w worm-gear



LYE D.I. WAFER BUTTERFLY VALVE



LYE D.I. - PILLAR HYDRANT landing valve / c/w outlet



LYE D.I. - VALVE CHAMBER - c/w hinge & lock 3 SECTION



LYE D.I. - KUMBAHAN MANHOLE COVER & FRAME c/w hinge & lock



LYE BRASS FLOAT VALVES

LYE 10K BALL VALVE



LYE STAINLESS STEEL MANHOLE STEP

LYE AIR VALVE - DOUBLE ORIFICE STANDARD



LYE AIR VALVE - DOUBLE ORIFICE KINETIC



LYE D.I. TYPE B SLUICE VALVE Resilient Seat / Metal Seat



### Sluice Valve / Wedge Gate Valves (BS 5163)

#### Air Valves

- Double Orifice Kinetic, Double Orifice Standard, Single Large Orifice, Single Small Orifice.

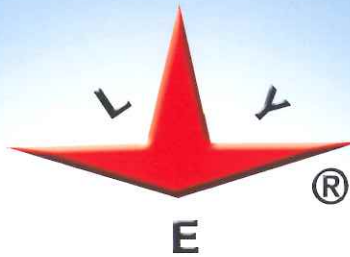
### Pillar Hydrant c/w Outlet or Landing Valve and other fire-fighting equipment.

### Manhole Covers Frames and Valve Chamber with Extension rings.

#### Ductile Iron Joints for pipeline connection:-

- Detachable Joint (D.J.)
- Variable Adaptor (V.A.)
- Ferrous Saddle

#### Other ferrous / non-ferrous casting products (Cast Iron, Ductile Iron, Bronze, Brass).



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