

ANNEXURE

SPECIFICATIONS OF KB TYPE STRAIGHT THROUGH DIAPHRAGM VALVE

Item – Straight through type diaphragm valve (Type “KB”)

Body – Grey CI BS EN 1561 GRADE EN-GJL-250 Phosphated & Black Epoxy Painted.

Body Lining – Soft Natural Rubber Lined

Lining Hardness- 45 ± 5 Shore A

Lining Thickness – 3 mm up to size DN80 & 4 mm for the size above DN80

Bonnet – Grey CI BS EN 1561 Grade EN-GJL-250 Phosphated & Black Epoxy Painted.

Approx. weight of the complete valve – $68 \text{ kg} \pm 2\%$

Diaphragm Grade – “Q” (Natural Rubber)

End Connection – Flanged (Flat face) Drilled to suit to BS 10 Table D

Spindle – Carbon Steel Grade SAE 1018

Handwheel - ABS Plastic (white & black) upto size DN50, Grey Cast Iron BS EN 1561 Grade EN-GJL-250 for size above DN50

Compressor – Grey Cast Iron BS EN 1561 Grade: EN – GJL-250

Testing Code – BS EN 12266-i:2003& BS EN 12266-2:2002 (BS6755 Part-i)

Method of Operation – Manual rising hand wheel

Design Code – BS EN 13397:2002 (BS 5156)

Leakage Rate – As per ANSI B 16.104 Class VI (100% Leak Tight)

Make – Saunders/BDK/ L&T/Xomox^{/Flowserve} only

Note: Special features of Diaphragm Valves

1. Diaphragm valve should have Non-Rising & self lubricated Stem.
2. Diaphragm Valves should have yellow color on-off indication.

NOTE:-In case of supplier bidder must submit source document along with test certificate from OEM at the time of supply.



ANNEXURE

KB Type Straight through Diaphragm Valve

| SL.NO | SPECIFICATION | ACCEPTED | REMARKS |
|-------|--|----------|---------|
| 1 | ITEM:- KB Type straight through diaphragm valve | | |
| 2 | Body & Bonnet:- Grey Cast Iron BS EN 1561 Grade EN-GJL 250 Phosphated & Black Epoxy Painted | | |
| 3 | Body Lining:- Soft Natural Rubber Lined | | |
| 4 | Lining Hardness:- 45±5 Shore A | | |
| 5 | Lining Thickness:- 3 mm upto size DN80 & 4 mm for the size above DN80 | | |
| 6 | Approx. wt of the complete valve:- 68 kg ± 2% | | |
| 7 | Diaphragm Grade:- "Q" (Natural Rubber) | | |
| 8 | Ends:- flanges (flat face) Drilled to suit to BS 10 Table-D | | |
| 9 | Spindle:- Carbon Steel Grade SAE 1018 | | |
| 10 | Method of Operation:- Manual rising hand wheel with yellow color on-off indication | | |
| 11 | Design Code:- BS EN 13397:2002 (BS 5156) | | |
| 12 | Testing Std:- BS EN 12266 | | |
| 13 | Leakage Rate:- As per ANSI B 16.104 CLASS VI (100% Leak Tight) | | |
| 14 | Compressor:- Grey Cast Iron BS EN 1561 Grade: EN – GJL- 250 | | |
| 15 | Handwheel: ABS Plastic (White & Black) upto size DN50, Grey Cast Iron BS EN 1561 Grade EN – GJL-250 for size above DN50 | | |
| 16 | Make:- Crane(Saunders)/Flowserve/ BDK/Xomox/L&T only | | |