

## ANNEXURE - 1

# TECHNICAL SPECIFICATION FOR MANUAL OPERATED "KB"(STRAIGHT THROUGH) DIAPHRAGM VALVE FOR SLURRY LINE

Item	:	Straight through Type Diaphragm Valve (Type "KB").
Body	:	Grey Cast Iron to 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	:	4.5mm
Bonnet	:	Grey Cast Iron to BS EN 1561 Grade: - EN -GJL - 250 Phosphated & Black Epoxy Painted
Diaphragm Grade	:	"Q"(Natural Rubber)
End Connection	:	As per ANSI Cl # 150, drilled as per ANSI 16.5.
Spindle	:	Carbon Steel Grade SAE 1018
Hand wheel	:	Grey Cast Iron to BS EN 1561
Grade	:	EN -GJL - 200
Compressor	:	Grey Cast Iron to BS EN 1561 Grade: - EN -GJL - 200
Testing Code	:	BS EN 12266 - I: 2003 &BS EN 12266-2:2002 (BS6755 Part-I)
Method of Operation	:	Manual rising Hand wheel incorporating visual ON/OFF indication and lip seal lubrication
Design Code	:	BS EN 13397: 2002 (BS 5156)
Leakage Rate	:	As per ANSI B16.104 Class VI (100% Leak Tight)
Method of Operation	:	Hand wheel

➤ Valve must have any colour ON/ OFF Indication and lip seal lubrication.

### Hydro Test Pressure:

Size:-Upto 5", Body Test Pr: - 15 Bar , Seat Test Pressure :- 11 bar .

Size :- Above 5" , Body Test Pr:- 9 Bar , Seat Test Pressure :- 4 bar .

**ACCEPTABLE MAKE: SAUNDERS CRANE, WEIR BDK**