

PECIFICATION OF PNEUMATICALLY OPERATED SAUNDERS VALVE (Size 3")

1	Type	:	Saunders Valve, Type-A, Reverse Acting (Air to Open)
2	Line Size	:	3" (80 NB)
3	Purpose	:	ON/OFF
4	Line pressure	:	4.5 Kg/cm ² (Max)
5	Material	:	
a	Valve Body	:	Grey cast Iron BS EN 1561, Grade:EN-GJL-250 Phosphated & Black epoxy painted
b	Body Lining	:	Butyl Rubber Lined, Hardness 60 to 65 Shore A
c	Lining thickness	:	Minimum 3.5 mm
d	Operating Diaphragm	:	Butyl Rubber
e	Bonnet	:	Grey Cast Iron BS EN 1581, Grade: ENGJL – 250 Phosphated & Black epoxy painted
f	Spindle	:	Carbon steel Grade SAE 1018
g	Handwheel	:	Grey Cast Iron BS EN 1561 Grade EN GJL 200
h	Compressor	:	Grey Cast Iron BS EN 1561 Grade EN GJL 200
i	Rating	:	150 LBs
6	Air Supply Pressure	:	3.0 Kg/cm ²
7	Actuator Type	:	ESC - 64
8	Fail Safe	:	Valve Close
9	Manual Override	:	Manual override by Handwheel
10	Application	:	Acidified Liquor of 1.5 to 2.0 pH
11	End Connection	:	Flanged Flat surface as per ANSI 150, Flange Drilling as per ANSI 16.5
12	Leakage Rate	:	Class VI (100% leak tight)
13	Make	:	Crane, PROCON, MIL, RK CONTROL

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