SKINNER LB27 Series Zero Delta P Two-Way Direct Lift Valves

SPECIFICATIONS

Mechanical Characteristics

Standard Materials of Construction

- Body–Brass
- Seals–NBR, FKM as listed
- Sleeve–Stainless Steel
- Plunger–Stainless Steel
- Stop–Stainless Steel
- Springs–Stainless Steel
- Shading Ring–Copper

Compatible Fluids

- Lubricated Air, Non-Lubricated Air, Inert Gases, Water, Hydraulic Fluids, Petroleum Products, and additional fluids compatible with materials of construction.

Electrical Characteristics

Voltages

- AC–24/60, 110/50-120/60, 220/50-240/60 (other voltages available upon request)

Power Consumption

- 20 watts (Normal location)
- 22 watts (Explosion-proof)

Agency Approvals

- Valves are UL listed and CSA certified general purpose for normal location. Explosion-proof valves are UL listed and CSA certified for hazardous locations Class I groups C and D, Class II groups E, F, and G.

Miscellaneous

Maximum Ambient Temperature

- 77°F

BRASS VALVES–NORMALLY CLOSED FOR NORMAL LOCATIONS

Pipe Size NPT	Orifice Size (inch)	Cv Factor	Operating Pressure Differential (PSI) Minimum*	Operating Pressure Differential (PSI) Maximum	Max. Fluid Temp. (F)	Catalog Number	Seal Mat'l	Constr. Ref.
1"	1 1/16	13.5	0	125	180	LB27BB6127	NBR	33
1 1/4"	1 1/8	15.0	0	125	180	LB27BB7127	NBR	33
1 1/2"	1 1/4	22.5	0	125	180	LB27BB8127	NBR	33
1"	1 1/16	13.5	0	125	180	LB27B110	FKM	33
1 1/4"	1 1/8	15.0	0	125	180	LB27B120	FKM	33
1 1/2"	1 1/4	22.5	0	125	180	LB27B130	FKM	33

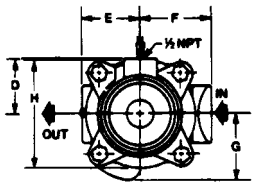
BRASS VALVES–NORMALLY CLOSED FOR HAZARDOUS LOCATIONS

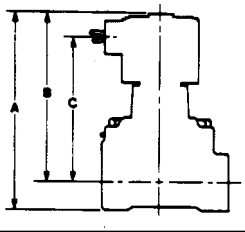
Pipe Size NPT	Orifice Size (inch)	Cv Factor	Operating Pressure Differential (PSI) Minimum*	Operating Pressure Differential (PSI) Maximum	Max. Fluid Temp. (F)	Catalog Number	Seal Mat'l	Constr. Ref.
1"	1 1/16	13.5	0	125	180	XLB27BB6127	NBR	34
1 1/4"	1 1/8	15.0	0	125	180	XLB27BB7127	NBR	34
1 1/2"	1 1/4	22.5	0	125	180	XLB27BB8127	NBR	34
1"	1 1/16	13.5	0	125	180	XLB27B110	FKM	34
1 1/4"	1 1/8	15.0	0	125	180	XLB27B120	FKM	34
1 1/2"	1 1/4	22.5	0	125	180	XLB27B130	FKM	34

** Valves will open at zero differential pressure, however full flow through the valve will not be achieved. If full flow is required at near zero differential, consult factory.*

DRAWINGS

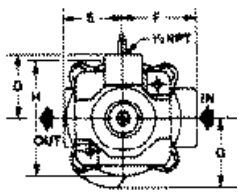
Pipe Size	Dimension A	B	C	D	E	F	G	H
1"	5.87	5.00	3.61	1.86	1.73	2.13	1.96	3.24
1 1/4"	6.15	5.12	3.75	1.86	1.73	2.13	1.96	3.24
1 1/2"	6.46	5.29	3.92	1.86	2.24	2.24	2.15	3.94

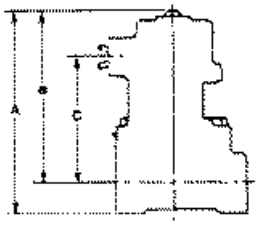




#33

Pipe Size	Dimension A	B	C	D	E	F	G	H
1"	5.95	5.07	4.35	1.70	1.73	2.13	1.96	3.24
1 1/4"	6.24	5.21	4.49	1.70	1.73	2.13	1.96	3.24
1 1/2"	6.55	5.37	4.66	1.70	2.24	2.24	2.15	3.94





#34