

L80 PNEUMATIC VERTICAL



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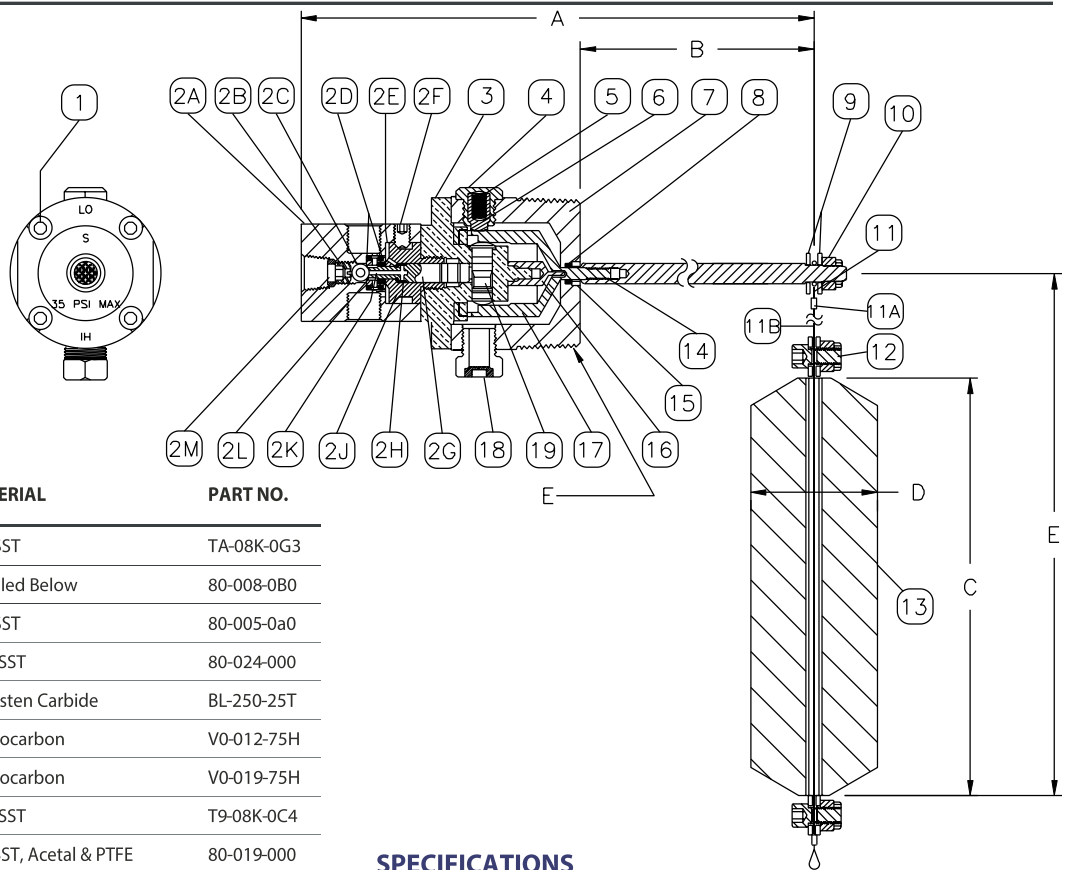
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MODEL L80 PNEUMATIC VERTICAL

Designed for top mounting on a tank or vessel, this configuration of the 2" NPT thread mounted Model L80 level switch incorporates a vertical cable supported displacer. The trip point is easily adjusted by changing the location of the displacer along the available cable length.

DIMENSIONS in. (mm)

A	8.85 (225)
B	4.50 (114.3)
C	7.40 (188)
D	1.62 (41)
E	2.37 (60)
Ports	1/4" NPT
Weight	4.3 Lbs. (1.9 kg)



Parts List for Level Switch L80

ITEM NO.	QTY.	DESCRIPTION	MATERIAL	PART NO.
1	4	Socket Cap Screw	316 SST	TA-08K-0G3
2	1	Valve Assembly	Detailed Below	80-008-0B0
2A	1	Valve Body	316 SST	80-005-0a0
2B	1	Ball Retainer	18-8 SST	80-024-000
2C	1	Ball	Tungsten Carbide	BL-250-25T
2D	2	Seat O-Ring	Fluorocarbon	V0-012-75H
2E	1	Valve Body O-Ring	Fluorocarbon	V0-019-75H
2F	3	Set Screw	18-8 SST	T9-08K-0C4
2G	1	Valve Stem Assembly	316 SST, Acetal & PTFE	80-019-000
(2G)	(1)	Valve Stem Spring	316 SST	80-035-000
2J	1	Adaptor Head	316 SST	80-004-000
2K	1	Valve Stem O-Ring	Fluorosilicone	F0-008-70T
2L	1	Seat	316 SST	80-006-000
2M	1	Filter Disk	316 SST	80-053-000
3	1	Pivot Body	316 SST	80-017-000
4	1	Spring Cap	316 SST	30-012-000
5	1	Spring	Inconel X-750	30-014-000
6	1	Spring Guide	Acetal	30-008-000
7	1	2" NPT Body	316 SST	30-001-NB0
8	1	Body Seal	Fluorocarbon	V0-008-75H
9	2	Washers	316 SST	10-017-000
10	1	Lock Nut	316 SST	TB-08K-J43
11	1	Cable Assembly	Detailed Below	30-035-002
11A	2	Crimps	304 SST	30-063-000
11B	A/R	.046" Diameter Cable	316 SST	30-090-000
12	2	Grip Assembly	316 SST	80-011-000
13	1	Displacer Assembly	Polypropylene	80-063-000
14	1	Float Rod	316 SST	30-033-0A0
15	1	Seal Retainer	316 SST	30-007-0A0
16	1	Pivot	17-4 PH SST	30-079-000
17	1	Cone	17-4 PH SST	30-085-000
18	1	Body Vent	316 SST	99-010-000
19	1	Transverse Rod Assy	316 SST & PTFE	88-043-000
20	---	Repair Kit	Items: 2C, D, E, H, K, M, 8 & 16	80-020-000

SPECIFICATIONS

Maximum Test Pressure PSI (BAR) @ 100° F (37° C)	3330 (229)
Maximum Working Pressure PSI (BAR) @ 100° F (37° C)	2220 (153)
Ambient Temperature Range	-20/+180° F -29/+82° C
Maximum Process Fluid Temperature	180° F (93° C)
Specific Gravity Range	0.6—1.2
Maximum Supply Pressure PSI (BAR)	35 (2.41)
Valve Cv Factor	0.042

Ordering Number

Ordering Number	Example
STANDARD	L80
N.A.C.E.	L80 3
316 & 17-4 PH ST. STEEL	L80 3 P
FLUOROCARBON	L80 3 PV
BUNA-N (180° F)	L80 3 PV R
POLYPROPYLENE (210° F)	L80 3 PV R O
3-WAY PNEUMATIC VALVE	L80 3 PV R O A
HIGH (REVERSE ACTING)	L80 3 PV R O A N
NO OPTIONS	L80 3 PV R O A N X
ADJUSTABLE SPRING	L80 3 PV R O A N X 1
NO ADJUSTMENT	L80 3 PV R O A N X 2
FLOAT ROD 2=1.87, 6=3.25, 8=6.40	L80 3 PV R O A N X 1 2
VERTICAL 1" TO 1' CABLE	L80 3 PV R O A N X 1 2 3
VERTICAL 1" TO 5' CABLE	L80 3 PV R O A N X 1 2 3
VERTICAL 5" TO 10' CABLE	L80 3 PV R O A N X 1 2 3