

APPLICATION:

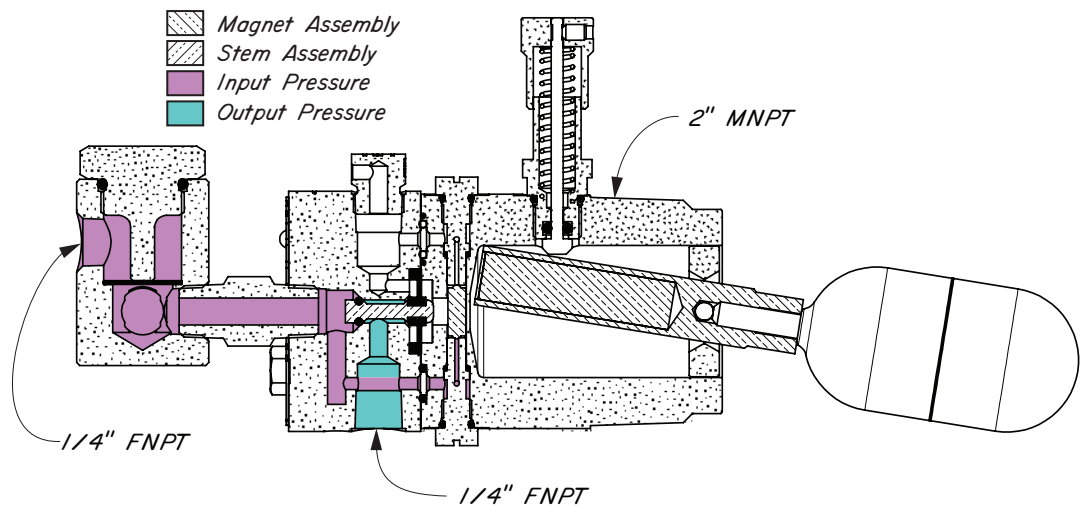
Liquid level switch for oil and gas separators, water knock-outs, gas scrubbers and accumulators.

FEATURES:

- Manual override for testing
- Standard and extended float options operate in 0.5 specific gravity
- Designed for harsh gas compressor scrubber applications
- Snap acting
- Direct acting (Field reversible to Indirect acting)
- Flow Rate 420 SCFH @ 30psig

CERTIFICATIONS:

Canadian Registration Number (CRN):
0H13594.2134567890NTY
NACE MR0175 process standard
NACE MR0175 compliant wetted parts
• Certification documents available upon request, specify when ordering
Kimray is an ISO 9001- certified manufacturer.



Standard Configuration Code †	Order Code	Line Size	Connection Type	Supply Press. psig	Max. W.P. psig ††
FPS2S4WSAS	CUA	2"	NPT	15-75	2000
FPX2S4WSAS	CUAEXT				

NOTES:

For standard & optional seals, metals, material specifications & dimensions see technical data on pages 08:I - 08:VII

† For Corrosive service remove last "S" & replace with "C"

† For code builder see page 08:00.3

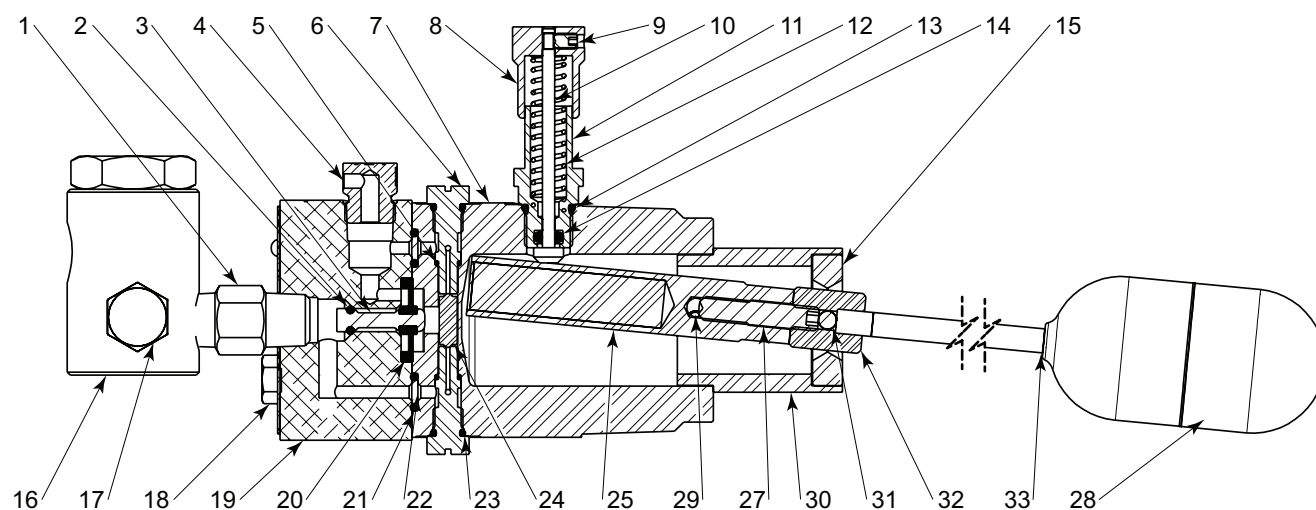
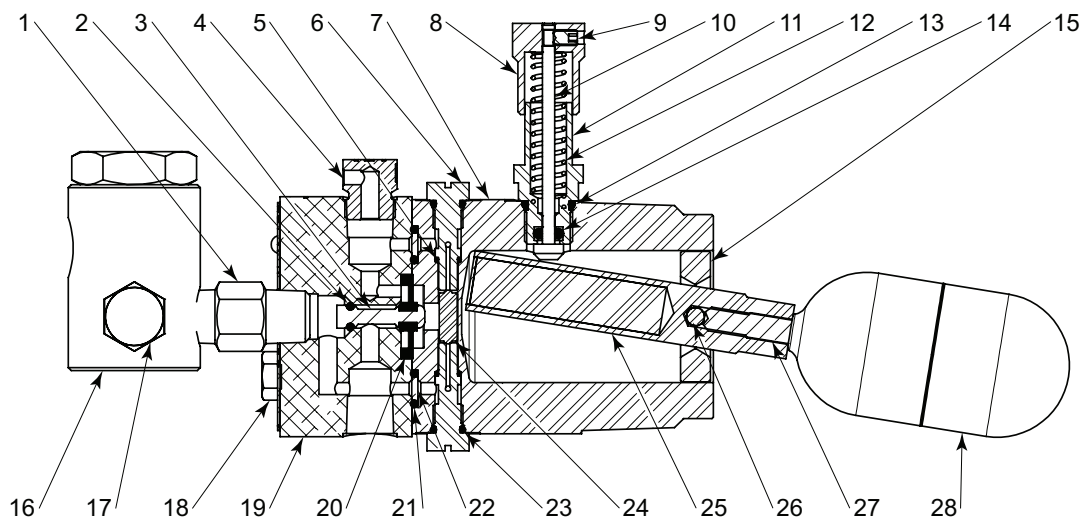
†† Max W.P. values based on -20°F to 100°F.

FLOAT OPERATED CONTROLLERS

KIMRAY INC.®

PNEUMATIC LEVEL SWITCH

MODEL PS & PX PARTS DRAWING & LIST



ITEM	QTY.	DESCRIPTION	PART NO.		ITEM	QTY.	DESCRIPTION	PART NO.	
			STANDARD	CORROSIVE				STANDARD	CORROSIVE
1	1	Nipple	648	648SS6	18	2	Screw	7024	7024
2	1	O-Ring *	7016V	7016V	19	1	Pilot Body *	6984	6984
3	1	Stem	6986	6986	20	1	Diaphragm *	6994V	6994V
4	1	Breather Plug	147	147SS6	21	2	O-Ring *	7524V	7524V
5	2	O-Ring *	7015V	7015V	22	2	Disc Filter *	7012	7012
6	2	Seat	6990	6990	23	2	O-Ring	7019V	7019V
7	1	Housing	7549	7549	24	1	Shuttle	6996	6996
8	1	Push Cap	5417	5417	25	1	Float Lever	7017S6	7017S6
9	1	Set Screw	5426	5426	26	1	Pivot Pin	7020	7020
10	1	Stem	5419	5419	27	1	Set Screw	6851	6851
11	1	Override Fitting	7548	7548	28	1	SS6 Float	3216	3216
12	1	Spring	5429	5429	29	2	Roll Pin	7469	7469
13	1	O-Ring *	7584V	7584V	30	1	Housing	7470S6	7470S6
14	1	O-Ring *	5410V	5410V	31	1	Pivot Pin	7468	7468
15	1	Annulus Plug	7145	7145	32	1	Coupler	7471S6	7471S6
16	1	Filter 1/4 F30	YAS	YASSS6	33	1	Float Extension	7482S6	7482S6
17	1	Plug	699	699SS6	Repair Kits			RZX	RZX

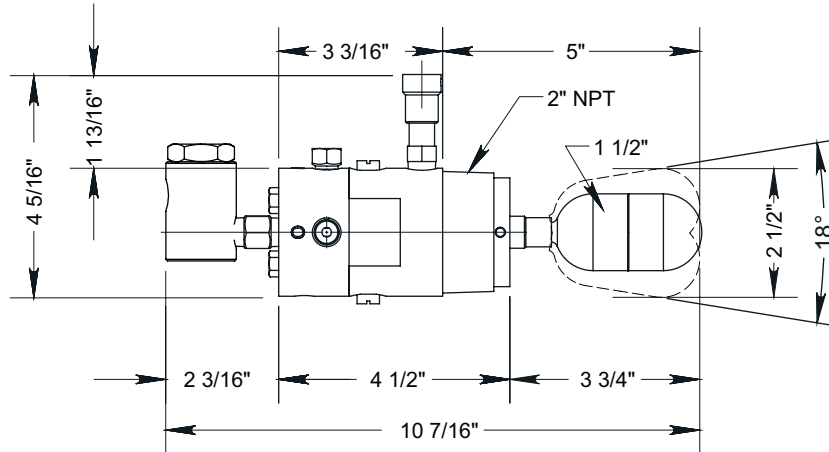
* These parts are recommended spare parts and are stocked as repair kits.

All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

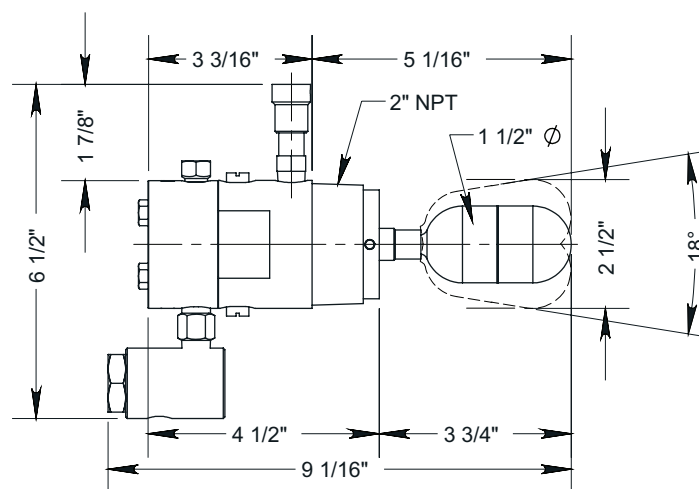
DIMENSIONS

PNEUMATIC LEVEL SWITCH

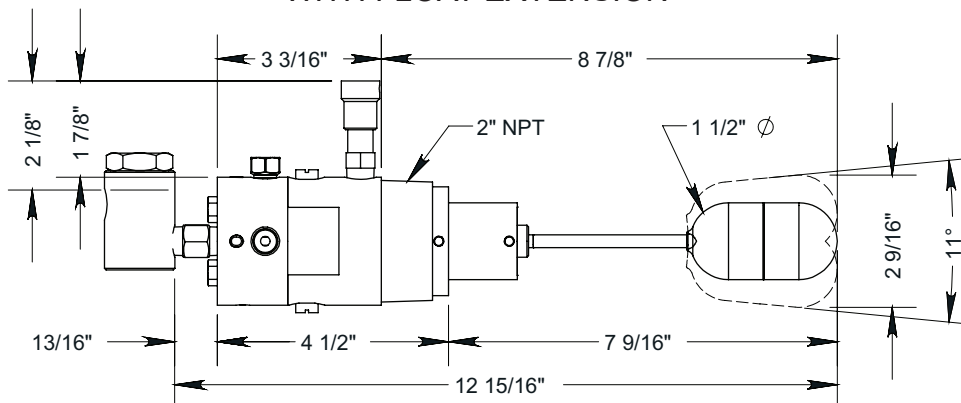
WITH RELAY



WITH OUT RELAY



WITH FLOAT EXTENSION



All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

Table 1 - GEN 3 Seal Options

Product Type	Part	Standard Material	Optional Material
Pneumatic	Mounting Piece	FKM	AFLAS®, HSN,
	Pilot Seals	FKM	N/A

Table 2 - Level Switch Seal Options

Product Type	Part	Standard Material	Optional Material
Electric Switch	O-rings	FKM	AFLAS®, HSN
Pneumatic Switch	O-rings	FKM	N/A
	Diaphragm	FKM	LTN

Table 3 - Seal Specifications

		NITRILE	LOW TEMP NITRILE	HIGHLY SATURATED NITRILE	FKM	AFLAS®
	Kimray Suffix	-	LTN	HSN	V	AF
Resistance	Abrasion	G	G	G-E	G	G
	Acid	F	F	G-E	G-E	E
	Chemical	F	F	F	E	E
	Cold	G	E	G	P	P
	Flame	P	P	P	E	E
	Heat	G	G	E	E	E
	Oil	G-E	G-E	E	E	E
	Ozone	P	P	G	G-E	E
	Set	G	G	G	G-E	P
	Tear	F	F	F	F	P
	Water/Steam	F	F	E	P	G
	Weather	F	F	G	E	E
	CO2	F-G	F-G	G	G	G
	H2S	P	P	F	P	E
	Methanol	F	P	E	P	P
Properties	Dynamic	G	G	G	G	G
	Electrical	F	F	F	F	G-E
	Impermeability	G	G	G	G	G
	Tensile Strength	G	G	G-E	G	F
RATINGS: P-POOR, F-FAIR, G-GOOD, E-EXCELLENT						

Table 4 - Material Options			
	Component	Standard Material	Optional Material
Pneumatic GEN3 Level Controllers	Body	Steel (ASTM SA352LCB)	N/A
	Pilot	Aluminum (ASTM B221 6061-T6)	N/A
	Shaft & Bearing Hubs	Steel (ASTM)	316SS (ASTM A240)
	Bearings	Polyimide filled PTFE	N/A
	Levers	Steel (FLN2C-4005)	N/A
	Displacer	PVC	316SS (ASTM A 240)
	Spring	17-7SS (ASTM A313)	N/A
Pneumatic Level Switches	Body	Aluminum (ASTM B221 6061-T6)	N/A
	Float	316SS (ASTM A 240)	HDPE (ASTM D4976)
External Float Cages	Electronic & Pneumatic Level Switch Float Cage	Steel (ASTM SA352LCB)	316SS (ASTM A351 CF8M)
	Horizontal GEN II Float Cage	ASTM A-106 GR. B	N/A
	Vertical External GEN II Float Cage	SA-106B, SA-234 WPB, SA-516-70	N/A

Series:

F = Float Operated Controllers

Model:

PS = Pneumatic Level Switch
PK = Pneumatic Level Switch w/o Relay
PX = Pneumatic Extended Level Switch
ES = Electric Level Switch
EL = Electric Level Switch Low power
EV = Electric Level Switch Vertical Float

Connection Size:

1 = 1 1/2 NPS (ES, EL & EV only)
2 = 2 NPS

End Connection:

S4 = MNPT

Override:

W = With manual Override
N = Without Manual Override

Float Type:

P = Poly - 5000 psi (ES, EL & EV only)
S = 316SS - 2000 psi

Float Extensions:

A = None

Service Type:

S = Standard

F	PS	2	S4	W	P	A	S	
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Options: Additional cost and lead times will apply
If multiple options required input in sequential order
Leave blank if no options required

1 = NACE Certification
2 = Hydrostatic Test Certification
3 = MTR (Shell Components)
A = AFLAS Elastomers
H = HSN Elastomer
X = Export (Hydrostatic test, MTR & 3.1)

Not all selections available on all products listed.
See product pages 08:50.1 - 08:60.3 for available options