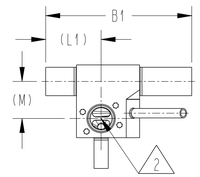
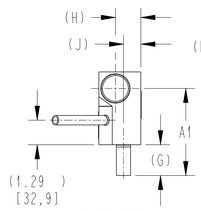
RUN X MAIN	A1	A2	B1	B2	C1	C2	(D)	(E)	(F1)	(F2)	(G)	(H)	(J)	(L1)	(L2)	(M)	(N1)	(N2)	(P1)	(P2)	Q	R	S	(T)	U1	U2
1/2" X 1/2"	4.17 [105,9]	3.80 [96,5]	8.21 [208,5]	6.47 [164,2]	2.93 [74,3]	2.56 [64,9]	(0.35) [8,8]	(1.63) [41,3]	(3.25) [82,6]	(1.88) [47,6]	(1.63) [41,3]	(1.25) [31,8]	(0.54) [13,6]	(2.93) [74,3]	(2.56) [64,9]	(1.53) [38,8]	(3.98) [101,2]	(2.57) [65,3]	(2.53) [64,2]	(1.12) [28,3]	3.25 [82,6]	9.59 [243,5]	4.43 [112,4]	(3.13) [79,4]	3.00 [76,2]	1.63 [41,3]
3/4" X 1/2"	4.29 [108,9]	3.92 [99,5]					(0.47) [11,8]					(1.13) [28,6]				(1.65) [41,8]	(4.16) [105,7]		(2.83) [71,8]	(1.24) [31,5]	3.50 [88,9]					
1" X 1/2"	4.41 [112,1]	4.04 [102,7]					(0.59) [15,0]						(0.51) [13,0]			(1.77) [45,0]	(4.34) [110,2]		(2.98) [75,7]	(1.22) [30,9]	3.75 [95,3]					2.00 [50,8]
1-1/2" X 1/2"	4.59 [116,7]	4.22 [107,3]	7.96 [202,2]				(0.85) [21,7]		(3.00) [76,2]			(1.34) [34,1]	(0.92) [23,2]			(1.95) [49,7]			(3.17) [80,5]	(1.41) [35,7]		11.09 [281,6]	5.18 [131,4]	(3.88) [98,4]	3.75 [95,3]	2.75 [69,9]
2" X 1/2"	4.76 [120,8]	4.39 [111,4]	8.96 [227,6]	6.97 [176,9]	3.18 [80,6]		(1.12) [28,3]	(1.88) [47,6]	(3.75) [95,3]	(2.38) [60,3]		(1.52) [38,5]	(1.34) [34,1]	(3.18) [80,6]		(2.12) [53,7]			(3.42) [86,9]	(1.66) [42,0]		13.09 [332,4]	6.18 [156,8]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 1/2"	4.88 [123,9]	4.51 [114,5]					(1.38) [35,0]					(1.68) [42,6]	(1.75) [44,5]			(2.24) [56,8]			(3.67) [93,2]	(1.91) [48,4]		14.59 [370,5]	6.93 [175,9]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 1/2"	4.98 [126,4]	4.61 [117,0]	9.21 [233,9]				(1.64) [41,5]		(4.00) [101,6]			(1.82) [46,2]	(2.14) [54,4]			(2.34) [59,3]			(3.92) [99,6]	(2.16) [54,7]		16.09 [408,6]	7.68 [194,9]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 1/2"	5.28 [134,0]	4.91 [124,6]	10.46 [265,7]		3.43 [87,0]		(2.14) [54,3]	(2.13) [54,0]	(5.00) [127,0]			(2.13) [54,0]	(2.95) [74,9]	(3.43) [87,0]		(2.64) [67,0]			(4.42) [112,3]	(2.66) [67,4]		19.59 [497,5]	9.43 [239,4]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]
3/4" X 3/4"R	4.29 [108,9]	3.92 [99,5]	8.21 [208,5]	6.47 [164,2]	2.93 [74,3]	2.56 [64,9]	(0.47) [11,8]	(1.63) [41,3]	(3.25) [82,6]	(1.88) [47,6]	(1.63) [41,3]	(1.13) [28,6]	(0.50) [12,7]	(2.93) [74,3]	(2.56) [64,9]	(1.65) [41,8]	(4.16) [105,7]	(2.57) [65,3]	(2.83) [71,8]	(1.24) [31,5]	3.50 [88,9]	9.59 [243,5]	4.43 [112,4]	(3.13) [79,4]	3.00 [76,2]	1.63 [41,3]
1" X 3/4"R	4.41 [112,1]	4.04 [102,7]	7.96 [202,2]				(0.59) [15,0]		(3.00) [76,2]							(1.77) [45,0]	(4.34) [110,2]		(2.98) [75,7]	(1.22) [30,9]	3.75 [95,3]					2.00 [50,8]
1-1/2" X 3/4"R	4.59 [116,7]	4.22 [107,3]	7.71 [195,8]				(0.85) [21,7]		(2.75) [69,9]			(1.34) [34,1]	(0.92) [23,2]			(1.95) [49,7]			(3.17) [80,5]	(1.41) [35,7]		11.09 [281,6]	5.18 [131,4]	(3.88) [98,4]	3.75 [95,3]	2.75 [69,9]
2" X 3/4"R	4.76 [120,8]	4.39 [111,4]	9.21 [233,9]	6.97 [176,9]	3.18 [80,6]		(1.12) [28,3]	(1.88) [47,6]	(4.00) [101,6]	(2.38) [60,3]		(1.52) [38,5]	(1.34) [34,1]	(3.18) [80,6]		(2.12) [53,7]			(3.42) [86,9]	(1.66) [42,0]		13.09 [332,4]	6.18 [156,8]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 3/4"R	4.88 [123,9]	4.51 [114,5]	8.96 [227,6]				(1.38) [35,0]		(3.75) [95,3]			(1.68) [42,6]	(1.75) [44,5]			(2.24) [56,8]			(3.67) [93,2]	(1.91) [48,4]		14.59 [370,5]	6.93 [175,9]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 3/4"R	4.98 [126,4]	4.61 [117,0]	9.21 [233,9]				(1.64) [41,5]		(4.00) [101,6]			(1.82) [46,2]	(2.14) [54,4]			(2.34) [59,3]			(3.92) [99,6]	(2.16) [54,7]		16.09 [408,6]	7.68 [194,9]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 3/4"R	5.28 [134,0]	4.91 [124,6]	10.46 [265,7]		3.43 [87,0]		(2.14) [54,3]	(2.13) [54,0]	(5.00) [127,0]			(2.13) [54,0]	(2.95) [74,9]	(3.43) [87,0]		(2.64) [67,0]			(4.42) [112,3]	(2.66) [67,4]		19.59 [497,5]	9.43 [239,4]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]
3/4" X 3/4"	4.24 [107,8]	3.87 [98,4]	8.88 [225,4]	7.13 [181,1]	3.63 [92,1]	3.26 [82,7]	(0.47) [12,0]	(1.63) [41,3]	(3.25) [82,6]	(1.88) [47,6]	(1.63) [41,3]	(1.13) [28,7]	(0.50) [12,7]	(3.61) [91,8]	(3.24) [82,4]	(1.60) [40,7]	(4.12) [104,8]	(2.54) [64,5]	(2.80) [71,2]	(1.22) [30,9]	3.50 [88,9]	10.25 [260,4]	5.13 [130,2]	(3.13) [79,4]	3.00 [76,2]	1.63 [41,3]
1" X 3/4"	4.37 [111,1]	4.00 [101,7]	8.63 [219,1]				(0.60) [15,3]		(3.00) [76,2]			(1.20) [30,5]	(0.70) [17,8]			(1.73) [44,0]	(4.30) [109,3]		(2.98) [75,7]	(1.22) [30,9]	3.75 [95,3]					2.00 [50,8]
1-1/2" X 3/4"	4.62 [117,3]	4.25 [107,9]	8.38 [212,7]				(0.87) [22,1]		(2.75) [69,9]			(1.46) [37,0]	(0.90) [22,9]			(1.98) [50,3]			(3.17) [80,5]	(1.41) [35,7]		11.75 [298,5]	5.88 [149,2]	(3.88) [98,4]	3.75 [95,3]	2.75 [69,9]
2" X 3/4"	4.77 [121,3]	4.40 [111,9]	9.88 [250,8]	7.63 [193,8]	3.88 [98,4]		(1.13) [28,8]	(1.88) [47,6]	(4.00) [101,6]	(2.38) [60,3]		(1.70) [43,3]	(1.40) [35,6]	(3.86) [98,1]		(2.13) [54,2]			(3.42) [86,9]	(1.66) [42,0]		13.75 [349,3]	6.88 [174,6]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 3/4"	4.90 [124,4]	4.53 [115,0]	9.63 [244,5]				(1.40) [35,5]		(3.75) [95,3]			(1.90) [48,1]	(1.84) [46,8]			(2.26) [57,3]			(3.67) [93,2]	(1.91) [48,4]		15.25 [387,4]	7.63 [193,7]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 3/4"	5.00 [126,9]	4.63 [117,5]	9.88 [250,8]				(1.66) [42,1]		(4.00) [101,6]			(2.06) [52,3]	(2.26) [57,3]			(2.36) [59,9]			(3.92) [99,6]	(2.16) [54,7]		16.75 [425,5]	8.38 [212,7]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 3/4"	5.30 [134,6]	4.93 [125,2]	11.13 [282,6]		4.13 [104,8]		(2.16) [54,8]	(2.13) [54,0]	(5.00) [127,0]			(2.36) [59,8]	(3.10) [78,7]	(4.11) [104,5]		(2.66) [67,5]			(4.42) [112,3]	(2.66) [67,4]		20.25 [514,4]	10.13 [257,2]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]
1" X 1"	4.38 [111,3]	4.01 [101,9]	8.63 [219,1]	7.13 [181,1]	3.63 [92,1]	3.26 [82,7]	(0.61) [15,6]	(1.63) [41,3]	(3.00) [76,2]	(1.88) [47,6]	(1.63) [41,3]	(1.38) [34,9]	(0.70) [17,8]	(3.61) [91,8]	(3.24) [82,4]	(1.74) [44,3]	(4.30) [109,3]	(2.54) [64,5]	(2.98) [75,7]	(1.22) [30,9]	3.75 [95,3]	10.25 [260,4]	5.13 [130,2]	(3.13) [79,4]	3.00 [76,2]	2.00 [50,8]
1-1/2" X 1"	4.62 [117,3]	4.25 [107,9]	8.38 [212,7]				(0.87) [22,1]		(2.75) [69,9]			(1.46) [37,0]	(0.90) [22,9]			(1.98) [50,3]			(3.17) [80,5]	(1.41) [35,7]		11.75 [298,5]	5.88 [149,2]	(3.88) [98,4]	3.75 [95,3]	2.75 [69,9]
2" X 1"	4.77 [121,3]	4.40 [111,9]	9.88 [250,8]	7.63 [193,8]	3.88 [98,4]		(1.13) [28,8]	(1.88) [47,6]	(4.00) [101,6]	(2.38) [60,3]		(1.70) [43,3]	(1.40) [35,6]	(3.86) [98,1]		(2.13) [54,2]			(3.42) [86,9]	(1.66) [42,0]		13.75 [349,3]	6.88 [174,6]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 1"	4.90 [124,4]	4.53 [115,0]	9.63 [244,5]				(1.40) [35,5]		(3.75) [95,3]			(1.90) [48,1]	(1.84) [46,8]			(2.26) [57,3]			(3.67) [93,2]	(1.91) [48,4]		15.25 [387,4]	7.63 [193,7]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 1"	5.00 [126,9]	4.63 [117,5]	9.88 [250,8]				(1.66) [42,1]		(4.00) [101,6]			(2.06) [52,3]	(2.26) [57,3]			(2.36) [59,9]			(3.92) [99,6]	(2.16) [54,7]		16.75 [425,5]	8.38 [212,7]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 1"	5.30 [134,6]	4.93 [125,2]	11.13 [282,6]		4.13 [104,8]		(2.16) [54,8]	(2.13) [54,0]	(5.00) [127,0]			(2.36) [59,8]	(3.10) [78,7]	(4.11) [104,5]		(2.66) [67,5]			(4.42) [112,3]	(2.66) [67,4]		20.25 [514,4]	10.13 [257,2]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]
1-1/2" X 1-1/2"	4.63 [117,7]	4.26 [108,3]	9.75 [247,7]	8.51 [216,1]	4.31 [109,6]	3.94 [100,2]	(0.88) [22,5]	(1.63) [41,3]	(2.75) [69,9]	(1.88) [47,6]	(1.63) [41,3]	(1.50) [38,2]	(1.00) [25,4]	(4.99) [126,8]	(4.62) [117,4]	(1.99) [50,6]	(4.34) [110,2]	(2.57) [65,3]	(3.17) [80,5]	(1.41) [35,7]	3.75 [95,3]	13.13 [333,4]	6.56 [166,7]	(3.88) [98,4]	3.75 [95,3]	2.75 [69,9]
2" X 1-1/2"	4.73 [120,0]	4.36 [110,6]	11.25 [285,8]	9.01 [228,8]	4.56 [115,9]		(1.15) [29,2]	(1.88) [47,6]	(4.00) [101,6]	(2.38) [60,3]		(1.74) [44,3]	(1.21) [30,7]	(5.24) [133,2]		(2.09) [53,0]			(3.42) [86,9]	(1.66) [42,0]		15.13 [384,2]	7.56 [192,1]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 1/1/2"	4.99 [126,8]	4.62 [117,4]	11.00 [279,4]				(1.42) [36,0]		(3.75) [95,3]			(2.01) [51,1]	(1.74) [44,2]			(2.35) [59,7]			(3.67) [93,2]	(1.91) [48,4]		16.63 [422,3]	8.31 [211,2]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 1-1/2"	5.26 [133,5]	4.89 [124,1]	11.25 [285,8]				(1.68) [42,7]		(4.00) [101,6]			(2.23) [56,6]	(2.20) [55,9]			(2.62) [66,4]			(3.92) [99,6]	(2.16) [54,7]		18.13 [460,4]	9.06 [230,2]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 1-1/2"	5.76 [146,3]	5.39 [136,9]	12.50 [317,5]		4.81 [122,3]		(2.18) [55,5]	(2.13) [54,0]	(5.00) [127,0]			(2.57) [65,2]	(3.04) [77,2]	(5.49) [139,5]		(3.12) [79,2]			(4.42) [112,3]	(2.66) [67,4]		21.63 [549,3]	10.81 [274,7]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]
2" X 2"	5.01 [127,3]	4.39 [111,5]	11.78 [299,1]	9.53 [242,1]	4.83 [122,6]	4.21 [106,8]	(1.15) [29,3]	(1.88) [47,6]	(4.00) [101,6]	(2.38) [60,3]	(1.88) [47,6]	(1.75) [44,5]	(1.21) [30,7]	(5.77) [146,4]	(5.15) [130,7]	(2.12) [53,8]	(5.25) [133,4]	(3.49) [88,6]	(3.42) [86,9]	(1.66) [42,0]	3.75 [95,3]	15.65 [397,5]	7.83 [198,8]	(4.88) [123,8]	4.75 [120,7]	3.50 [88,9]
2-1/2" X 2"	5.28 [134,0]	4.66 [118,3]	11.28 [286,4]				(1.42) [36,1]		(3.50) [88,9]			(2.01) [51,1]	(1.58) [40,1]			(2.39) [60,6]			(3.67) [93,2]	(1.91) [48,4]		17.15 [435,6]	8.58 [217,8]	(5.63) [142,9]	5.50 [139,7]	4.25 [108,0]
3" X 2"	5.54 [140,7]	4.92 [125,0]	11.78 [299,1]				(1.69) [42,8]		(4.00) [101,6]			(2.23) [56,7]	(2.05) [52,1]			(2.65) [67,3]			(3.92) [99,6]	(2.16) [54,7]		18.65 [473,7]	9.33 [236,9]	(6.38) [161,9]	6.25 [158,8]	5.00 [127,0]
4" X 2"	6.04 [153,5]	5.42 [137,8]	13.03 [330,8]		5.08 [128,9]		(2.19) [55,6]	(2.13) [54,0]	(5.00) [127,0]			(2.58) [65,4]	(2.90) [73,7]	(6.02) [152,8]		(3.15) [80,1]			(4.42) [112,3]	(2.66) [67,4]		22.15 [562,6]	11.08 [281,3]	(8.13) [206,4]	8.00 [203,2]	6.63 [168,3]

A VALVE ASSY	1 FIRST VALVE	2 SECOND VALVE	

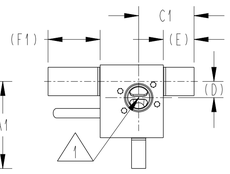
LH	P &ID	RH
P1 P2 P4 P3		P1 P2 P4 P3



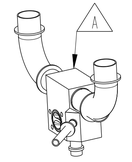
BACK VIEW



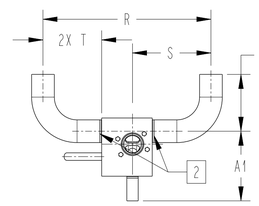
SIDE VIEW



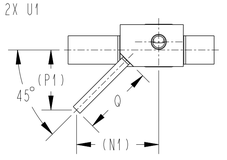
FRONT VIEW



ISOMETRIC VIEW



BACK VIEW

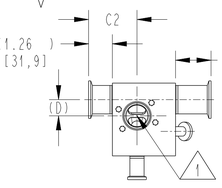


BOTTOM VIEW

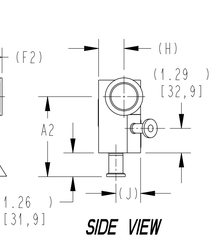
LH ASSY. SHOWN, RH OPPOSITE

NOTE:
1. USE BODY K35607A
2. INTERNAL WELD WILL BE LEFT IN THE AS WELDED CONDITION.
3. "P" NUMBERS INDICATE PORT CONNECTION.
4. VALVE MUST MOUNTED WITH P3 VERTICALLY DOWN.
5. TUBE ENDS MEET OR EXCEDES THE FOLOOWING TANGENT ENDS 1/2" - 1-1/2"=1-1/2", 2" - 3"=1-3/4", 4"=2"
6. FOR U-BEND, VERTICAL OPTION SHOWN, HORIZONTAL OPTION ROTATED 90° TOWARDS PURGE VALVE.

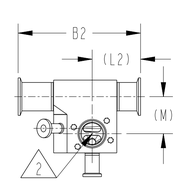
RH ASSY. SHOWN, LH OPPOSITE



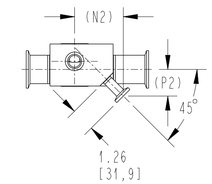
FRONT VIEW



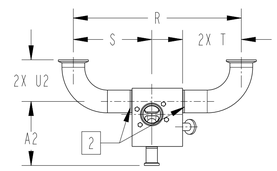
SIDE VIEW



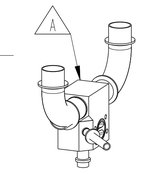
BACK VIEW



BOTTOM VIEW



FRONT VIEW



ISOMETRIC VIEW

PURE-FLO ORDER: - ITEM: -
CUSTOMER: -
CUSTOMER PO: -
OTHER INFO: -
-

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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

UNLESS OTHERWISE NOTED

INCH	MM
X : ± 0.06	X : ± 1.5
.X : ± 0.06	.X : ± 1.5
.XX : ± 0.06	.XX : ± .5
.XXX : ± 0.02	
X/X : ± 1/16	
.X° : ± .5°	.X° : ± 1°
X° : ± 1°	

	DATE	BY
DWN	04/10/23	LFV
CHKD	04/11/23	KRP
APVD	04/11/23	TJS

ENVIZION
ZERO STATIC DOWNSTREAM
TOP PURGE BODY ASSY.
-
-

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D	A36229A	SHEET 1 OF 1	REV -

MASTER DWG: A36229A/- ECN# 18877 ISSUE BY: - CERT BY: -