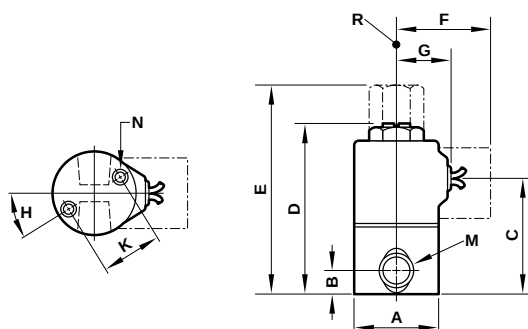




Dimensions

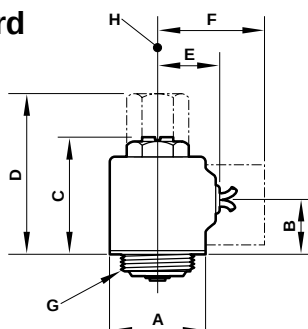
All Dimensions in Inches (mm)

Standard Valve



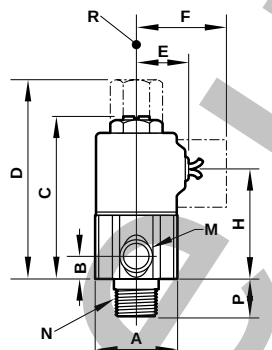
	A	B	C	D	E	F	G	H	K	M	N	R
Series 1	.99 (25)	.28 (7)	1.33 (33)	2.12 (54)	2.47 (63)	1.12 (29)	.64 (16)	32-1/2°	.73 (19)	1/8-27 NPTF	#8-32 UNC x 1/4 MFT	1/8-27 NPTF
Series 2	.99 (25)	.28 (7)	1.51 (38)	2.32 (59)	2.66 (68)	1.12 (29)	.64 (16)	32-1/2°	.73 (19)	1/8-27 NPTF	#8-32 UNC x 1/4 MFT	1/8-27 NPTF
Series 3	1.18 (30)	.355 (9)	1.65 (42)	2.46 (62)	2.80 (71)	1.19 (30)	.78 (20)	41°	.91 (23)	1/8-27 NPTF	#10-32 UNF x 1/4 MFT	1/8-27 NPTF or
								0°		1/4-18 NPTF	#8-32 UNC x 1/4 MFT	1/4-18 NPTF
Series 6	1.62 (41)	.344 (9)	G-2.04 (52)	2.86 (73)	3.54 (90)	1.58 (40)	1.03 (26)	45°	1.24 (31)	1/8-27 NPTF or 1/4-18 NPTF	#10-32 UNF x 5/16 MFT	1/8-27 NPTF or 1/4-18 NPTF
			C-1.87 (48)									

Operator Standard



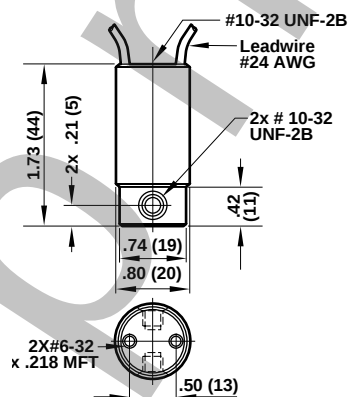
	A	B	C	D	E	F	G	H
Series 1	1.02 (26)	.52 (13)	1.32 (34)	1.67 (42)	.64 (16)	1.12 (29)	3/4-32 UNEF	1/8-27 NPTF
Series 2	1.02 (26)	.71 (18)	1.52 (39)	1.86 (47)	.64 (16)	1.12 (29)	3/4-32 UNEF	1/8-27 NPTF
Series 3	1.16 (30)	.71 (18)	1.52 (39)	1.86 (47)	.78 (20)	1.19 (30)	3/4-32 UNEF	1/8-27 NPTF or 1/4-18 NPTF
Series 6	1.64 (42)	G-.97 (25) C-.80 (20)	1.79 (46)	2.48 (63)	1.03 (26)	1.58 (40)	1-32 UN	1/8-27 NPTF or 1/4-18 NPTF

Hex Male Valve Standard



	A	B	C	D	E	F	H	M	N	P	R
Series 1	.94 (24) Hex	.27 (7)	2.12 (54)	2.47 (63)	.64 (16)	1.12 (29)	1.32 (33)	1/8-27 NPTF	1/8-27 NPTF 1/4-18 NPTF	.44 (11) .56 (14)	1/8-27 NPTF
Series 2	.94 (24) Hex	.27 (7)	2.32 (59)	2.66 (68)	.64 (16)	1.12 (29)	1.51 (38)	1/8-27 NPTF	1/8-27 NPTF 1/4-18 NPTF	.44 (11) .56 (14)	1/8-27 NPTF

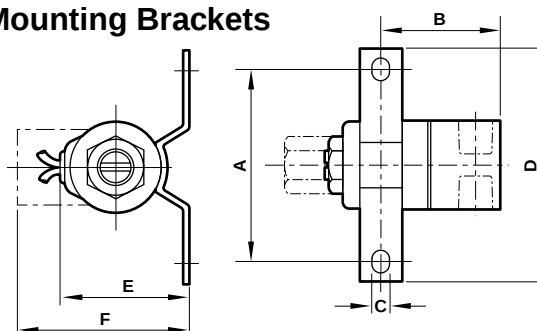
KIP Jr. Standard



Bracket Dimensions

	A	B	C	D	E	F
Series 1	2.13 (54)	1.33 (34)	.20 (5)	2.63 (67)	1.45 (37)	1.93 (49)
Series 6	2.13 (54)	1.97 (50)	.20 (5)	2.63 (67)	2.15 (55)	2.68 (68)

Mounting Brackets



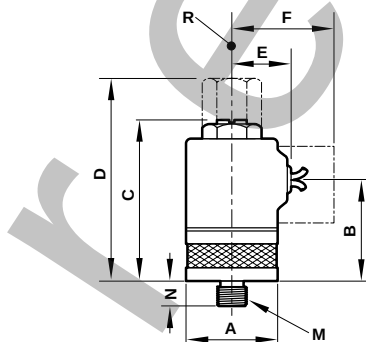


Dimensions

All Dimensions in Inches (mm)

	A	B	C	D	E	F	M	N	R
Series 1	.99 (25)	1.07 (27)	1.87 (48)	2.22 (56)	.64 (16)	1.12 (29)	5/16 24 UNF	.25 (6)	1/8-27 NPTF
Series 2	.99 (25)	1.26 (32)	2.07 (53)	2.41 (61)	.64 (16)	1.12 (29)	5/16 24 UNF	.25 (6)	1/8-27 NPTF
Series 6	1.62 (41)	G- 1.73 (44) C- 1.56 (40)	2.55 (65)	3.23 (82)	1.03 (26)	1.58 (40)	1/2 20 UNF	.31 (8)	1/8-27 NPTF or 1/4-18 NPTF

Manifold Mount Valve

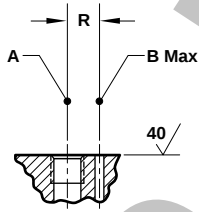


Manifold Mount Interface

	A	B	R
Series 1 & 2	5/16 - 20 UNF-2B x .26 MFT	.09 (2)	.31 (8)
Series 6	1/2 - 20 UNF-2B x .32 MFT	.27 (7)	.51 (13)

NOTE: A is underseat connection**

B is overseat connection***

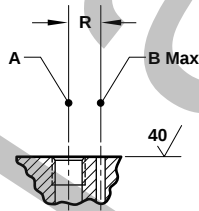


KIP Jr. Manifold Mount Interface

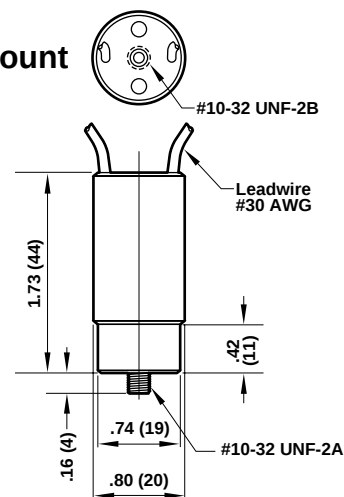
	A	B	R
Low Watt	10-32 UNF-2B x .150 MFT	.08 (2.08)	.22 (5.45)

NOTE: A is underseat connection**

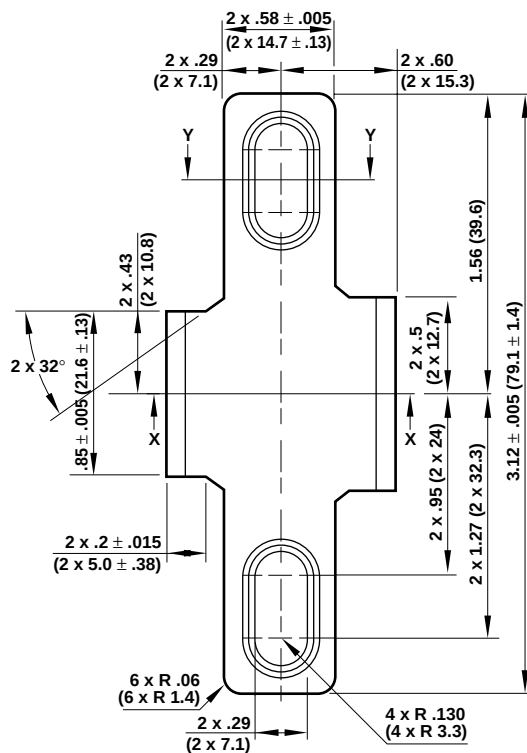
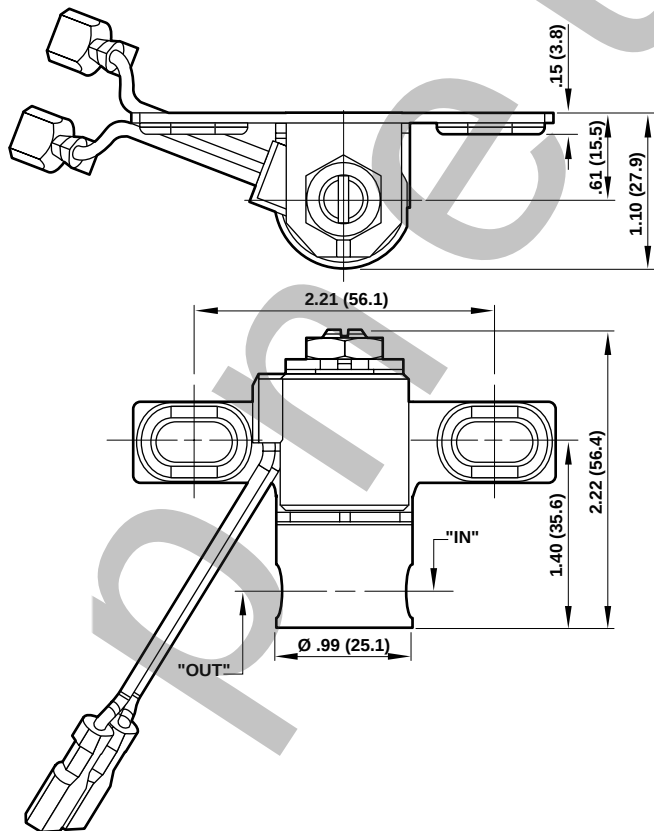
B is overseat connection***



KIP Jr. Manifold Mount



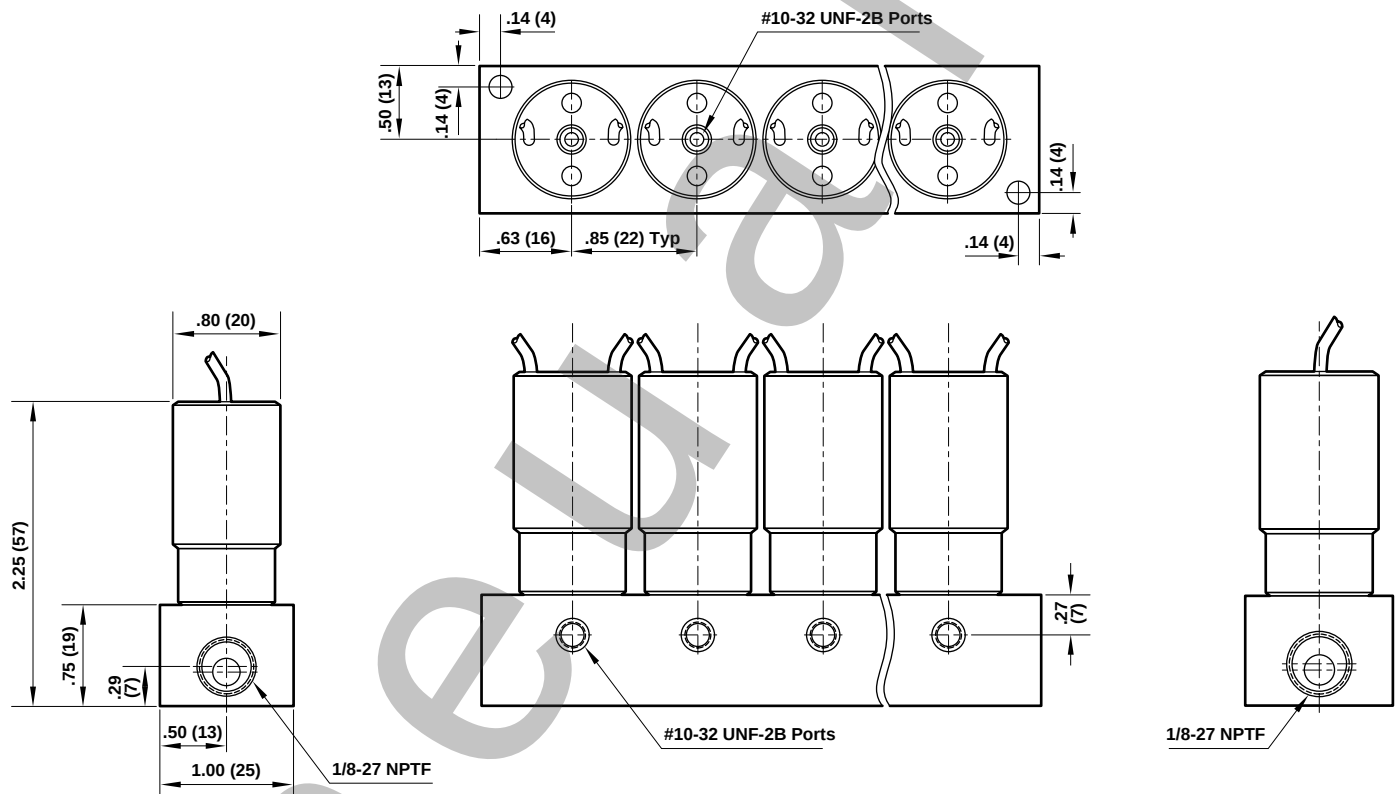
Plastic Body Standard





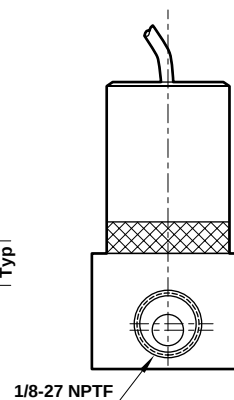
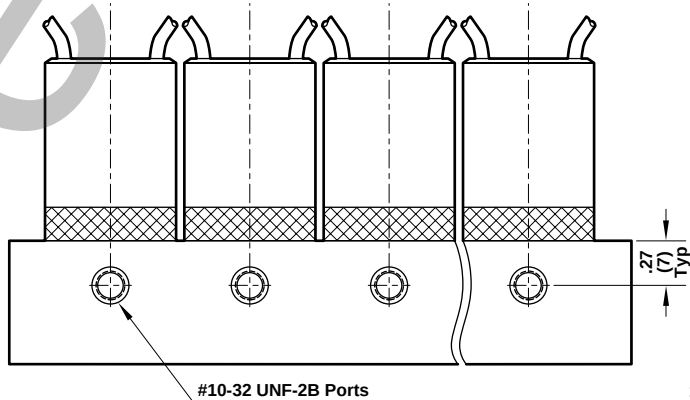
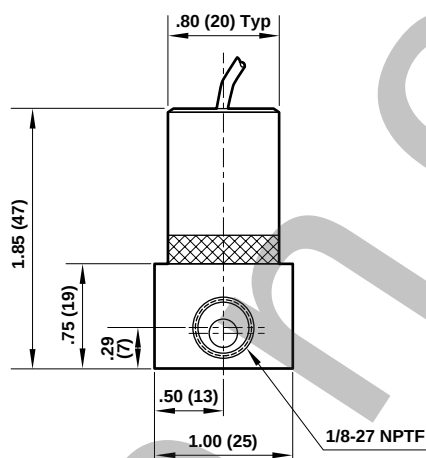
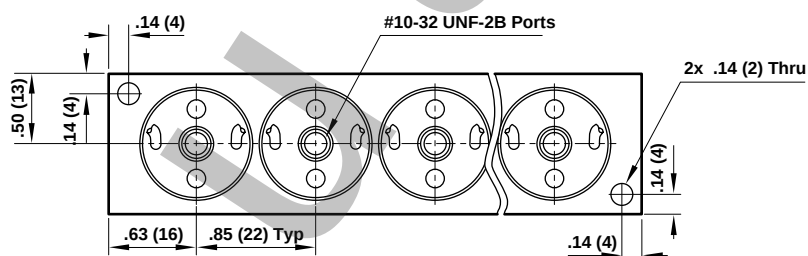
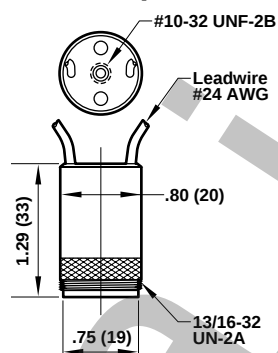
KIP Jr. Series Manifold Dimensions

Manifold Mount Valve Type Manifold



All Dimensions in Inches (mm)

Operator Mounting Type Manifolds - Including Isolation Type Manifolds



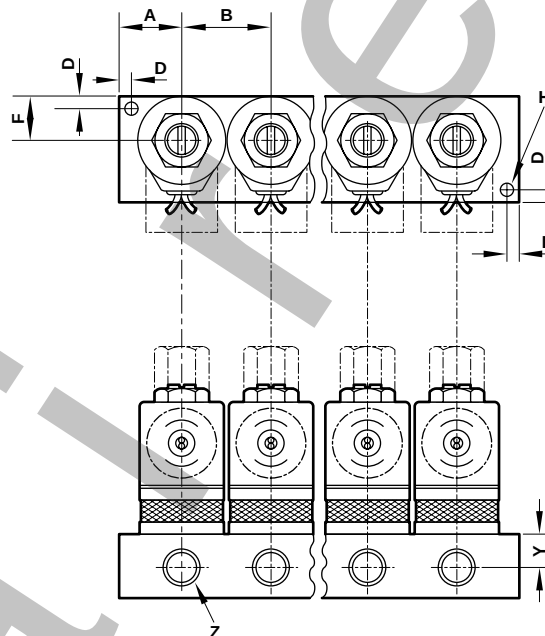
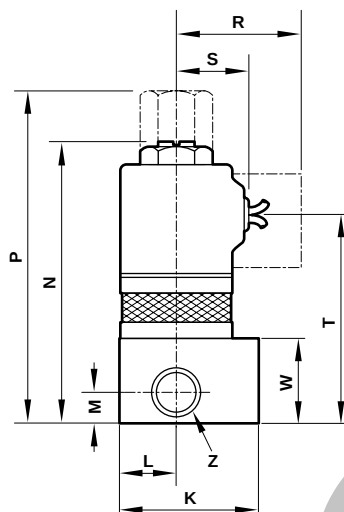
Dimensions

All Dimensions in Inches (mm)



Manifold Dimensions

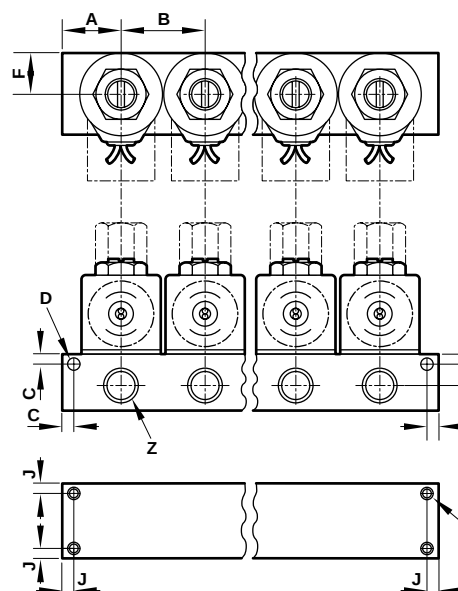
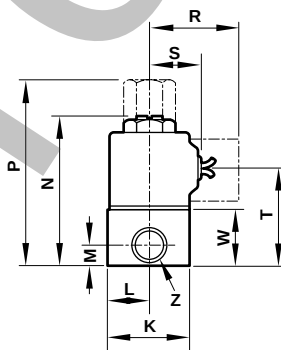
Manifold Mount Valve Type Manifolds



	A	B	D	F	H	K	L	M	N	P	R	S	T	W	Y	Z
Series 1	.75 (19)	1.06 (27)	.14 (4)	.52 (13)	.15 (4)	1.25 (32)	.52 (13)	.28 (7) .34 (9)	2.62 (67)	2.97 (75)	1.12 (29)	.64 (16)	1.82 (46)	.75 (19)	.41 (10)	1/8-27 NPTF 1/4-18 NPTF
Series 2	.75 (19)	1.06 (27)	.14 (4)	.52 (13)	.15 (4)	1.25 (32)	.52 (13)	.28 (7) .34 (9)	2.82 (72)	3.16 (80)	1.12 (29)	.64 (16)	2.01 (51)	.75 (19)	.41 (10)	1/8-27 NPTF 1/4-18 NPTF
Series 6	.94 (24)	1.69 (43)	.19 (5)	.84 (21)	.20 (5)	1.75 (45)	.84 (21)	.38 (10) .44 (11)	3.55 (90)	4.23 (108)	1.58 (40)	1.03 (26)	2.73* (69) 2.56** (65)	1.00 (25)	.56 (14)	1/8-27 NPTF 1/4-18 NPTF

* = Grommet ** = Conduit

Operating Mounting Type Manifolds



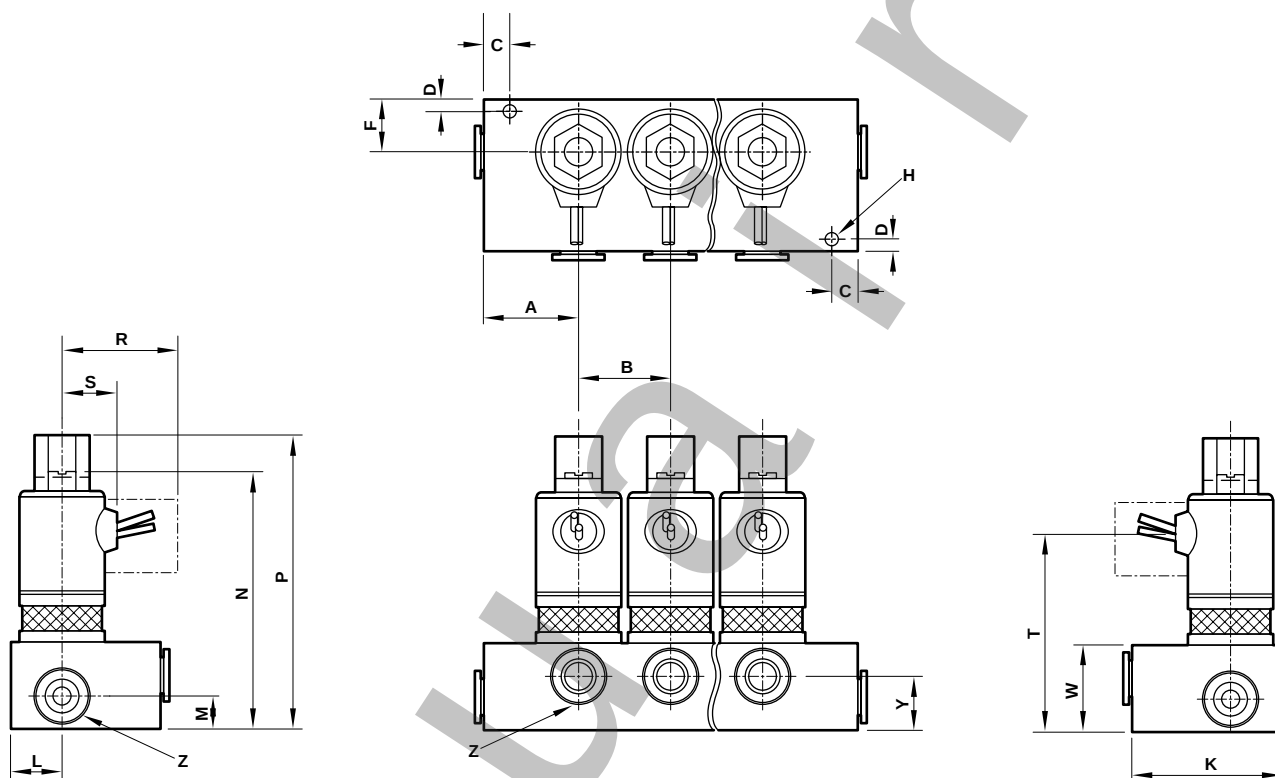
	A	B	C	D	F	J	K	L	M	N	P	R	S	T	U	W	Y	Z
Series 1	.78 (20)	1.06 (27)	.16 (4)	.19 (5)	.52 (13)	.16 (4)	1.00 (25)	.50 (13)	.42 (10)	2.33 (59)	2.67 (68)	1.12 (29)	.64 (16)	1.52 (39)	#8-32 UNC x 1/4 MFT	1.00 (25)	.58 (15)	1/8-27 NPTF
Series 2	.78 (20)	1.06 (27)	.16 (4)	.19 (5)	.52 (13)	.16 (4)	1.00 (25)	.50 (13)	.42 (10)	2.52 (64)	2.87 (73)	1.12 (29)	.64 (16)	1.72 (44)	#8-32 UNC x 1/4 MFT	1.00 (25)	.58 (15)	1/8-27 NPTF



Dimensions

All Dimensions in Inches (mm)

Manifold Dimensions Including Cartridge Inserts



	A	B	C	D	F	H	K	L	M	N	P	R	S	T	W	Y	Z
Series 1	.92 (23)	1.06 (27)	.30 (8)	.14 (4)	.52 (13)	.15 (4)	1.50 (38)	.52 (13)	.33 (8)	2.87 (73)	3.53 (90)	1.12 (28)	.64 (16)	2.07 (53)	1.00 (25)	.60 (15)	1/4
	1.10 (28)	1.06 (27)	.30 (8)	.14 (4)	.60 (15)	.15 (4)	1.75 (45)	.60 (15)	.38 (10)	2.87 (73)	3.69 (94)	1.12 (28)	.64 (16)	2.07 (53)	1.00 (25)	.62 (16)	3/8
Series 2	.92 (23)	1.06 (27)	.30 (8)	.14 (4)	.52 (13)	.15 (4)	1.50 (38)	.52 (13)	.33 (8)	3.07 (78)	3.71 (94)	1.12 (28)	.64 (16)	2.26 (57)	1.00 (25)	.60 (15)	1/4
	1.10 (28)	1.06 (27)	.30 (8)	.14 (4)	.60 (15)	.15 (4)	1.75 (45)	.60 (15)	.38 (10)	3.07 (78)	3.88 (99)	1.12 (28)	.64 (16)	2.26 (57)	1.00 (25)	.62 (16)	3/8
Series 6	1.17 (30)	1.69 (43)	.19 (5)	.19 (5)	.84 (21)	.20 (5)	2.00 (51)	.84 (21)	1.17 (30)	3.55 (90)	4.23 (107)	1.58 (40)	1.03 (26)	2.73* (69)	1.00 (25)	.55 (14)	1/4
														2.56** (65)			
	1.41 (36)	1.69 (43)	.19 (5)	.19 (5)	.84 (21)	.20 (5)	2.25 (57)	.84 (21)	1.41 (36)	3.80 (97)	4.65 (118)	1.58 (40)	1.03 (26)	2.98* (76)	1.25 (32)	.78 (20)	3/8
														2.81** (71)			
	1.41 (36)	1.69 (43)	.19 (5)	.19 (5)	.84 (21)	.20 (5)	2.25 (57)	.84 (21)	1.41 (36)	3.80 (97)	4.65 (118)	1.58 (40)	1.03 (26)	2.98* (76)	1.25 (32)	.78 (20)	1/2
														2.81** (71)			

* = Grommet ** = Conduit