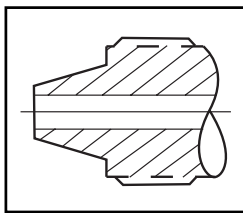


Adapters/Couplings - Male-to-Male One Piece Adapters

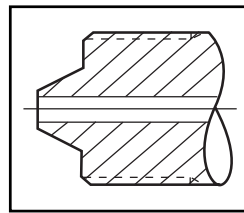
Autoclave Engineer's standard male-to-male one piece adapters are available in low, medium, and high pressure configurations. Standard male-to-male adapters are machined from cold worked stainless steel. Other materials are available upon request. Contact your local Sales Representative for optional information. The following tables list our standard adapters with dimensions.



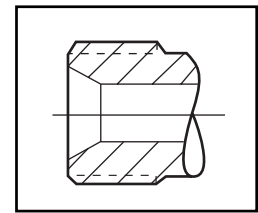
Adapter End Configuration



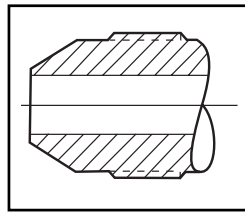
'L' Low Pressure



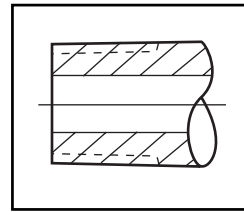
'H' High Pressure



'RH' Reverse High Pressure



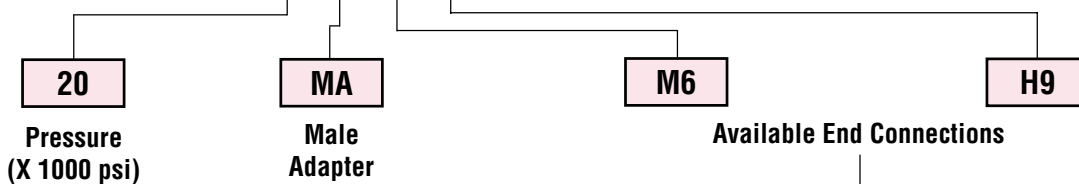
'M' Medium Pressure



'P' National Pipe Tapered

Ordering Procedure

Typical catalog number: 20 MA M6 H9

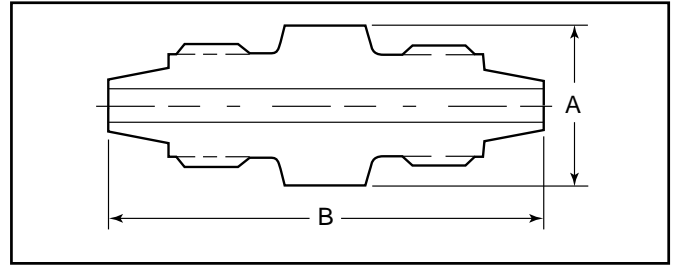


L2 - 1/8" Low Pressure	M4 - 1/4" Medium Pressure	H4 - 1/4" High Pressure	P4 - 1/4" NPT	RH9 - 9/16" -18 Reverse High
L4 - 1/4" Low Pressure	M6 - 3/8" Medium Pressure	H5 - 5/16" High Pressure	P6 - 3/8" NPT	RH12 - 3/4" -16 Reverse High
L6 - 3/8" Low Pressure	M9 - 9/16" Medium Pressure	H6 - 3/8" High Pressure	P8 - 1/2" NPT	RH14 - 7/8" -14 Reverse High
L8 - 1/2" Low Pressure	M12 - 3/4" Medium Pressure	H9 - 9/16" High Pressure		RH16 - 1" -12 Reverse High
	M16 - 1" Medium Pressure			RH21 - 1-5/16" -12 Reverse High

Note: Special material one piece adapters may be supplied with four flats in place of standard hex.

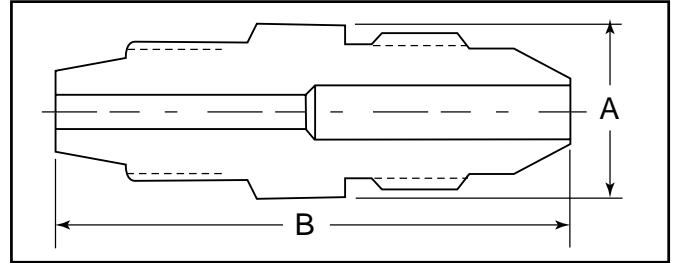
Low-Pressure to Low-Pressure Adapters

Catalog Number	Connection L/P	Connection L/P	Dimension inches (mm)	
			A Hex	B
11MAL2L2	W125	W125	0.50 (12.7)	1.38 (34.9)
11MAL2L4	W125	SW250	0.63 (15.9)	1.63 (41.3)
11MAL4L4	SW250	SW250	0.63 (15.9)	1.88 (47.6)
5MAL8L8	SW500	SW500	1.00 (25.4)	2.13 (54.0)



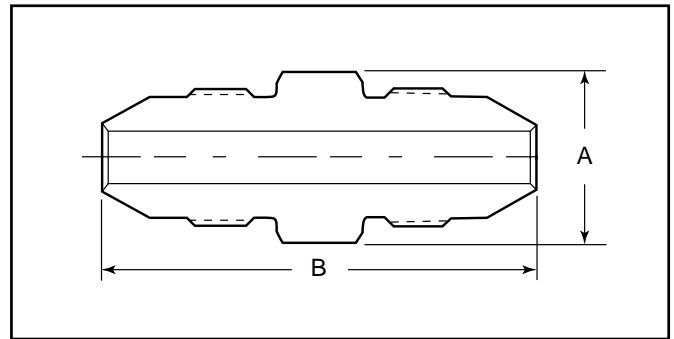
Low-Pressure to Medium-Pressure Adapters

Catalog Number	Connection L/P	Connection M/P	Dimension inches (mm)	
			A Hex	B
11MAL4M4	SW250	SF375CX	0.63 (15.9)	1.86 (47.3)



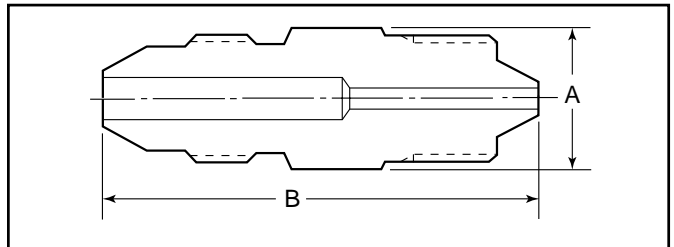
Medium-Pressure to Medium-Pressure Adapters

Catalog Number	Connection M/P	Connection M/P	Dimension inches (mm)	
			A Hex	B
20MAM4M4	SF250CX	SF250CX	0.50 (12.7)	1.69 (42.9)
20MAM4M6	SF250CX	SF375CX	0.63 (15.9)	1.88 (47.6)
20MAM4M9	SF250CX	SF562CX	0.94 (23.8)	2.38 (60.3)
20MAM4M12	SF250CX	SF750CX	1.19 (30.1)	2.69 (68.2)
20MAM4M16	SF250CX	SF1000CX	1.38 (34.9)	3.38 (85.7)
20MAM6M6	SF375CX	SF375CX	0.63 (15.9)	2.25 (57.1)
20MAM6M9	SF375CX	SF562CX	0.94 (23.8)	2.38 (60.3)
20MAM6M12	SF375CX	SF750CX	1.19 (30.1)	2.81 (71.4)
20MAM6M16	SF375CX	SF1000CX	1.38 (34.9)	3.38 (85.7)
20MAM9M9	SF562CX	SF562CX	0.94 (23.8)	2.50 (63.5)
20MAM9M12	SF562CX	SF750CX	1.19 (30.1)	3.00 (76.2)
20MAM9M16	SF562CX	SF1000CX	1.38 (34.9)	2.69 (68.2)
20MAM12M12	SF750CX	SF750CX	1.19 (30.1)	3.13 (79.3)
20MAM12M16	SF750CX	SF1000CX	1.38 (34.9)	3.81 (96.8)
20MAM16M4	SF1000CX	SF250CX	1.38 (34.9)	3.25 (82.6)
20MAM16M16	SF1000CX	SF1000CX	1.38 (34.9)	4.38 (111.1)



Medium-Pressure to High-Pressure Adapters

Catalog Number	Connection M/P	Connection H/P	Dimension inches (mm)	
			A Hex	B
20MAM4H4	SF250CX	F250C	0.63 (15.9)	1.75 (44.5)
20MAM4H6	SF250CX	F375C	0.81 (20.6)	2.13 (54.0)
20MAM4H9	SF250CX	F562C	1.19 (30.1)	2.63 (66.7)
20MAM6H4	SF375CX	F250C	0.63 (15.9)	1.94 (49.2)
20MAM6H6	SF375CX	F375C	0.81 (20.6)	2.38 (60.3)
20MAM6H9	SF375CX	F562C	1.19 (30.1)	2.69 (68.2)
20MAM9H4	SF562CX	F250C	0.81 (20.6)	2.25 (57.1)
20MAM9H6	SF562CX	F375C	0.81 (20.6)	2.56 (65.0)
20MAM9H9	SF562CX	F562C	1.19 (30.1)	2.94 (74.6)
20MAM12H4	SF750CX	F250C	1.19 (30.1)	2.63 (66.7)
20MAM12H6	SF750CX	F375C	1.19 (30.1)	2.88 (73.0)
20MAM12H9	SF750CX	F562C	1.19 (30.1)	3.00 (76.2)
20MAM16H4	SF1000CX	F250C	1.38 (34.9)	3.25 (82.6)
20MAM16H6	SF1000CX	F375C	1.38 (34.9)	3.50 (89.0)
20MAM16H9	SF1000CX	F562C	1.38 (34.9)	3.69 (93.6)



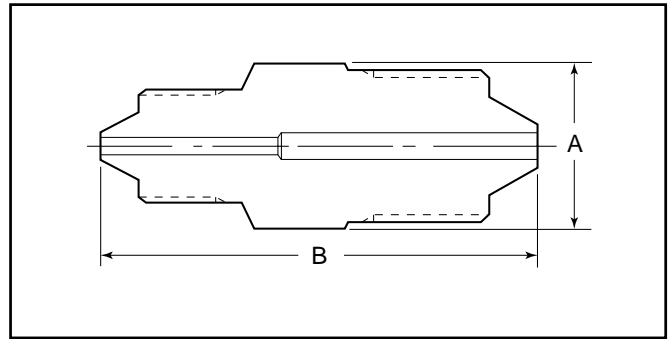
Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

Note: For pressure rating see ordering procedure.
All Dimensions for reference only and subject to change.

For prompt service, Autoclave stocks select products.
Consult factory.

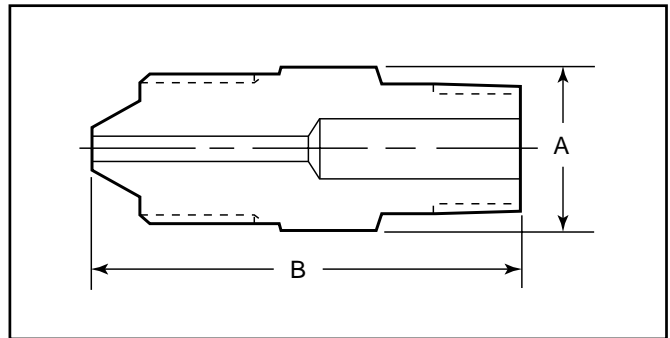
High-Pressure to High-Pressure Adapters

Catalog Number	Connection H/P	Connection H/P	Dimension inches (mm)	
			A Hex	B
40MAH9H9	F562C40	F562C40	1.19 (30.1)	2.94 (74.6)
60MAH4H4	F250C	F250C	0.63 (15.9)	1.69 (42.8)
60MAH4H5	F250C	F312C150	0.75 (19.1)	2.63 (66.7)
60MAH4H6	F250C	F375C	0.81 (20.6)	2.13 (54.0)
60MAH4H9	F250C	F562C	1.19 (30.1)	2.56 (65.0)
60MAH5H6	F312C150	F375C	0.81 (20.6)	2.81 (71.4)
60MAH6H6	F375C	F375C	0.81 (20.6)	2.25 (57.1)
60MAH6H9	F375C	F562C	1.19 (30.1)	2.88 (73.0)
60MAH9H9	F562C	F562C	1.19 (30.1)	3.00 (76.2)
150MAH5H5	F312C150	F312C150	0.75 (19.1)	3.38 (85.7)



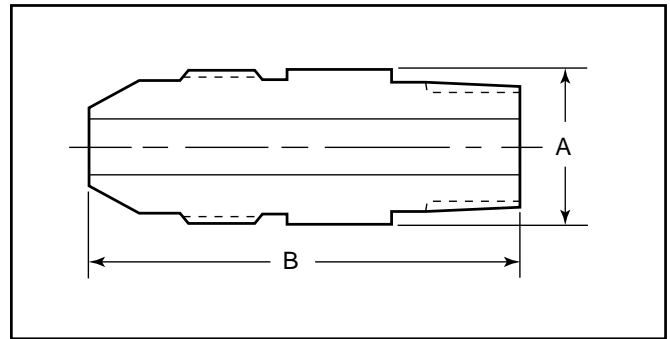
Low-Pressure to NPT Adapters

Catalog Number	Connection L/P	Connection NPT	Dimension inches (mm)	
			A Hex	B
10MAL2P2	W125	1/8"	0.50 (12.7)	1.38 (34.9)
10MAL2P4	W125	1/4"	0.63 (15.9)	1.63 (41.2)
10MAL4P2	SW250	1/8"	0.63 (15.9)	1.63 (41.2)
10MAL4P4	SW250	1/4"	0.63 (15.9)	1.75 (44.5)
5MAL8P6	SW500	3/8"	1.00 (25.4)	2.00 (50.0)



Medium-Pressure to NPT Adapters

Catalog Number	Connection M/P	Connection NPT	Dimension inches (mm)	
			A Hex	B
10MAM4P4	SF250CX	1/4"	0.63 (15.9)	1.75 (44.5)
10MAM4P6	SF250CX	3/8"	0.75 (19.1)	1.81 (46.2)
10MAM4P8	SF250CX	1/2"	0.94 (23.8)	2.19 (55.5)
10MAM6P4	SF375CX	1/4"	0.63 (15.9)	1.94 (49.1)
10MAM6P6	SF375CX	3/8"	0.75 (19.1)	2.00 (50.8)
10MAM6P8	SF375CX	1/2"	0.94 (23.8)	2.38 (60.3)
10MAM9P4	SF562CX	1/4"	0.81 (20.6)	2.25 (57.1)
10MAM9P6	SF562CX	3/8"	0.81 (20.6)	2.13 (54.0)
10MAM9P8	SF562CX	1/2"	0.94 (23.8)	2.56 (65.0)
10MAM12P4	SF750CX	1/4"	1.19 (30.1)	2.63 (66.7)
10MAM12P6	SF750CX	3/8"	1.19 (30.1)	2.63 (66.7)
10MAM12P8	SF750CX	1/2"	1.19 (30.1)	2.81 (71.4)
10MAM16P4	SF1000CX	1/4"	1.38 (34.9)	3.38 (85.7)
10MAM16P6	SF1000CX	3/8"	1.38 (34.9)	3.31 (84.1)
10MAM16P8	SF1000CX	1/2"	1.38 (34.9)	3.44 (87.3)



Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

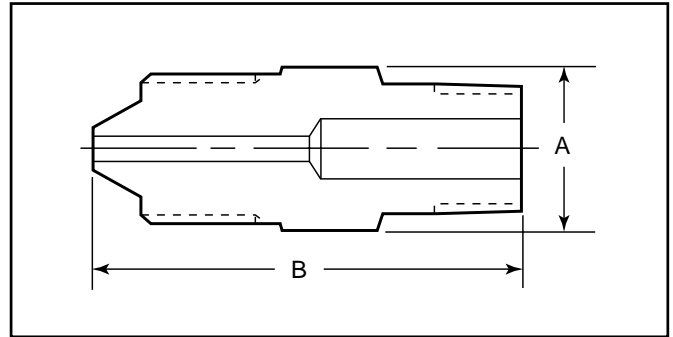
Note: For pressure rating see ordering procedure.

All Dimensions for reference only and subject to change.

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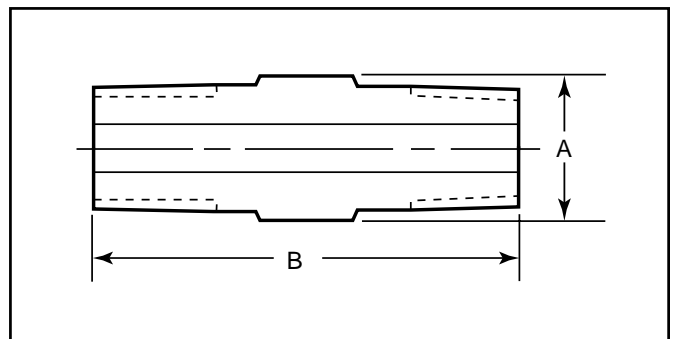
High-Pressure to NPT Adapters

Catalog Number	Connection H/P	Connection NPT	Dimension inches (mm)	
			A Hex	B
10MAH4P4	F250C	1/4"	0.63 (15.9)	1.81 (46.2)
10MAH4P6	F250C	3/8"	0.75 (19.1)	1.88 (47.6)
10MAH4P8	F250C	1/2"	0.94 (23.8)	2.25 (57.1)
10MAH6P4	F375C	1/4"	0.81 (20.6)	2.13 (54.0)
10MAH6P6	F375C	3/8"	0.81 (20.6)	2.13 (54.0)
10MAH6P8	F375C	1/2"	0.94 (23.8)	2.50 (63.5)
10MAH9P4	F562C	1/4"	1.19 (30.1)	2.63 (66.7)
10MAH9P6	F562C	3/8"	1.19 (30.1)	2.56 (65.0)
10MAH9P8	F562C	1/2"	1.19 (30.1)	2.75 (69.9)



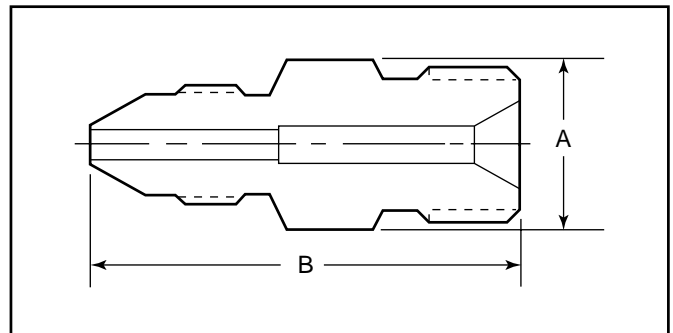
NPT to NPT Adapters

Catalog Number	Connection NPT	Connection NPT	Dimension inches (mm)	
			A Hex	B
10MAP4P4	1/4	1/4"	0.63 (15.9)	1.81 (46.2)
10MAP4P6	1/4	3/8"	0.75 (19.1)	1.88 (47.6)
10MAP4P8	1/4	1/2"	0.94 (23.8)	2.31 (58.7)
10MAP6P6	3/8	3/8"	0.75 (19.1)	1.88 (47.6)
10MAP6P8	3/8	1/2"	0.94 (23.8)	2.31 (58.7)
10MAP8P8	1/2	1/2"	0.94 (23.8)	2.50 (63.5)



Medium-Pressure to Reverse High-Pressure Adapters

Catalog Number	Connection M/P	Connection RH	Dimension inches (mm)	
			A Hex	B
20MAM4RH9	SF250CX	9/16"	0.63 (15.9)	1.56 (39.7)
20MAM4RH12	SF250CX	3/4"	0.81 (20.6)	1.88 (47.6)
20MAM4RH16	SF250CX	1"	1.00 (25.4)	2.13 (54.0)
20MAM6RH9	SF375CX	9/16"	0.63 (15.9)	1.69 (42.8)
20MAM6RH12	SF375CX	3/4"	0.81 (20.6)	1.81 (46.2)
20MAM6RH16	SF375CX	1"	1.00 (25.4)	2.25 (57.1)
20MAM9RH9	SF562CX	9/16"	0.94 (23.8)	2.00 (50.8)
20MAM9RH12	SF562CX	3/4"	0.94 (23.8)	2.13 (54.0)
20MAM9RH14	SF562CX	7/8"	0.94 (23.8)	2.44 (61.9)
20MAM9RH16	SF562CX	1"	1.00 (25.4)	2.25 (57.1)
20MAM12RH9	SF750CX	9/16"	1.19 (30.1)	2.38 (60.3)
20MAM12RH12	SF750CX	3/4"	1.19 (30.1)	2.44 (61.9)
20MAM12RH16	SF750CX	1"	1.19 (30.1)	2.50 (63.5)
20MAM12RH21	SF750CX	1-5/16"	1.50 (38.1)	2.75 (69.9)
20MAM16RH9	SF1000CX	9/16"	1.38 (34.9)	3.13 (79.3)
20MAM16RH12	SF1000CX	3/4"	1.38 (34.9)	3.19 (80.9)
20MAM16RH14	SF1000CX	7/8"	1.38 (34.9)	3.34 (84.9)
20MAM16RH16	SF1000CX	1"	1.38 (34.9)	3.38 (85.7)
20MAM16RH21	SF1000CX	1-5/16"	1.50 (38.1)	3.25 (82.6)



Maximum pressure rating is based on the lowest rating of any component. Actual working pressure may be determined by tubing pressure rating, if lower.

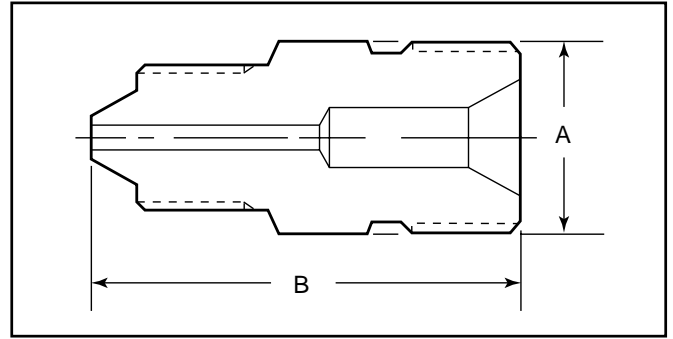
Note: For pressure rating see ordering procedure.

All Dimensions for reference only and are subject to change.

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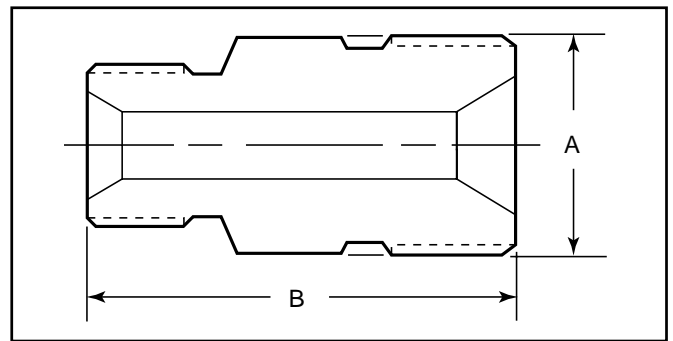
High-Pressure to Reverse High-Pressure Adapters

Catalog Number	Connection H/P	Connection RH	Dimension inches (mm)	
			A Hex	B
26MAH4RH16	F250C	1"	1.00 (25.4)	2.13 (54.0)
26MAH6RH16	F375C	1"	1.00 (25.4)	2.25 (57.1)
26MAH9RH16	F562C	1"	1.19 (30.1)	2.69 (68.2)
30MAH4RH12	F250C	3/4"	0.81 (20.6)	1.88 (47.6)
30MAH6RH12	F375C	3/4"	0.81 (20.6)	2.06 (54.0)
30MAH9RH12	F562C	3/4"	1.19 (30.1)	2.50 (63.5)
40MAH4RH9	F250C	9/16"	0.63 (15.9)	1.56 (39.7)
40MAH6RH9	F375C	9/16"	0.81 (20.6)	1.94 (49.1)
40MAH9RH9	F562C	9/16"	1.19 (30.1)	2.38 (60.3)



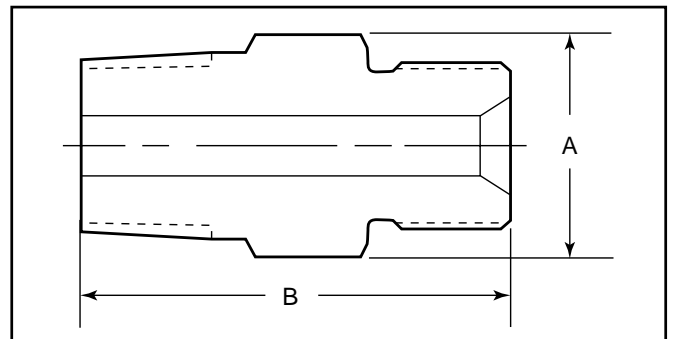
Reverse High-Pressure to Reverse High-Pressure Adapters

Catalog Number	Connection RH	Connection RH	Dimension inches (mm)	
			A Hex	B
26MARH9RH16	9/16	1"	1.00 (25.4)	1.88 (47.6)
26MARH12RH12	3/4	3/4"	0.81 (20.6)	1.75 (44.5)
26MARH12RH16	3/4	1"	1.00 (25.4)	2.00 (50.8)
26MARH16RH16	1	1"	1.00 (25.4)	2.00 (50.8)
30MARH9RH12	9/16	3/4"	0.81 (20.6)	1.63 (41.2)
30MARH12RH12	3/4	3/4"	0.81 (20.6)	1.75 (44.5)
40MARH9RH9	9/16	9/16"	0.63 (15.9)	1.50 (38.1)



NPT to Reverse High-Pressure Adapters

Catalog Number	Connection NPT	Connection RH	Dimension inches (mm)	
			A Hex	B
10MAP4RH9	1/4	9/16"	0.63 (15.9)	1.63 (41.2)
10MAP4RH12	1/4	3/4"	0.81 (20.6)	1.88 (47.6)
10MAP4RH16	1/4	1"	1.00 (25.4)	2.25 (57.1)
10MAP6RH9	3/8	9/16"	0.75 (19.1)	1.81 (46.2)
10MAP6RH12	3/8	3/4"	0.81 (20.6)	1.94 (49.1)
10MAP6RH16	3/8	1"	1.00 (25.4)	2.13 (54.0)
10MAP8RH9	1/2	9/16"	0.94 (23.8)	2.00 (50.8)
10MAP8RH12	1/2	3/4"	0.94 (23.8)	2.13 (54.0)
10MAP8RH14	1/2	7/8"	1.00 (25.4)	2.25 (57.1)
10MAP8RH16	1/2	1"	1.00 (25.4)	2.31 (58.7)
10MAP12RH12	3/4	3/4"	1.19 (30.1)	2.31 (58.7)
10MAP12RH16	3/4	1"	1.38 (34.9)	2.63 (66.7)
10MAP16RH16	1	1"	1.38 (34.9)	2.81 (71.4)



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