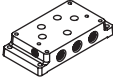
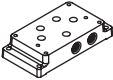




**STANDARD 1/4" THROUGH 2"
SUBPLATE SELECTION**

SUBPLATE MODEL SELECTION

Subplates are connection bases for the mounting of and connection to, subplate-type valves. They are of die-cast, sand-cast or solid aluminum construction. Connection ports, located in the sides or bottom, are standard NPTF dry seal pipe threads. No mounting hardware or seals are furnished with subplates. O-rings and mounting screws are furnished with each subplate mounted valve.

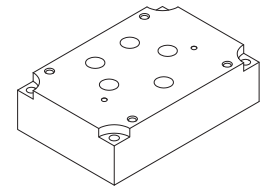
SUBPLATE DESCRIPTION (3/8" Subplate Shown)	1/4" NPTF Port Size	3/8" NPTF Port Size	1/2" NPTF Port Size	3/4" NPTF Port Size	1" NPTF Port Size	1-1/2" NPTF Port Size	2" NPTF Port Size				
SIDE PORTED, DUAL EXHAUST Inlet and two exhausts on one side, two cylinder ports on opposite side. 	Models with no pilot ports in the subplate:				SP2-3N	SP3-3N	SP4-3N	SP6-3N	SP8-3N	SP12-3N	N/A
	Models with 1/8" NPTF pilot ports on both ends of subplate:				SP2-3	SP3-3	SP4-3	SP6-3	SP8-3	SP12-3	N/A
SIDE PORTED, SINGLE EXHAUST Inlet and common exhaust on one side, two cylinder ports on opposite side. 	Models with no pilot ports in the subplate:				SP2-4N	SP3-4N	SP4-4N	SP6-4N	N/A	N/A	N/A
	Models with 1/8" NPTF pilot ports on both ends of subplate:				SP2-4	SP3-4	SP4-4	SP6-4	N/A	N/A	N/A
BOTTOM PORTED, DUAL EXHAUST Inlet, two exhausts and two cylinder ports tapped into bottom side of subplate. 	Models with no pilot ports in the subplate:				SP2-1N	SP3-1N	SP4-1N	SP6-1N	SP8-1N	SP12-1N	SP16-1N
	Models with 1/8" NPTF pilot ports on bottom of subplate:				SP2-1	SP3-1	SP4-1	SP6-1	SP8-1	SP12-1	SP16-1
BOTTOM PORTED, SINGLE EXHAUST Inlet, one common exhaust and two cylinder ports tapped into bottom of subplate. 	Models with no pilot ports in the subplate:				SP2-2N	SP3-2N	SP4-2N	SP6-2N	N/A	N/A	N/A
	Models with 1/8" NPTF pilot ports on bottom of subplate:				SP2-2	SP3-2	SP4-2	N/A	N/A	N/A	N/A

MOUNTING STANDARD SUBPLATES TO FLAT SURFACES

The table below gives diameter and spacing of the mounting holes in the subplates. If more dimensions are required, please request factory drawings through your distributor.

Subplate No.	Subplate Mounting Pattern	Hole Dia.	Mounting Screw	Subplate Height	Blank Subplate No.
SP2 & SP3	1-29/32" x 4-3/16"	13/64"	10-24x7/8"	29/32"	*
SP4	3" x 4-3/4"	17/64"	1/4"-20x2"	1-1/2"	SP4
SP6 & SP8	3-3/4" x 7-7/16"	11/32"	5/16"-18x2-1/4"	2-5/16"	SP8
SP12 & SP16	5-3/4" x 10-3/4"	35/64"	1/2"-13x3-3/4"	3-7/16"	SP12

***The SP2 and SP3 subplates are die cast and cannot be furnished without port holes. They can be used as 29/32" high mounting spacers for threaded body 1/4" and 3/8" valves.**



BLANK SUBPLATES
Blank bases are provided with four tapped holes for valve mounting but without port holes. Some top detail is provided.

MOUNTING VALVES ON STANDARD SUBPLATES

SUBPLATE-TO-VALVE SEALS: O-ring seals are furnished with each subplate valve for sealing between valve body and subplate. Replacement O-rings, if needed, can be purchased locally. Sizes are shown in this chart. Any material, such as Buna-N, which is compatible with air line lubrication can be used. Seal kits obtained from the AAA factory include these seals. For only the mounting seals and no internal valve seals, use the mounting seal kits listed below

PILOT PORTS: Read the valve description to see whether external pilot or bleed connections can be brought to the valve through the subplate. Then, select a subplate either with or without external pilot ports as required.

MOUNTING HARDWARE: Socket head cap screws are required for proper clearance of valve body.

MOUNTING SEAL KITS: Each kit includes 5 subplate-to-valve O-rings and 2 pilot hole O-rings.

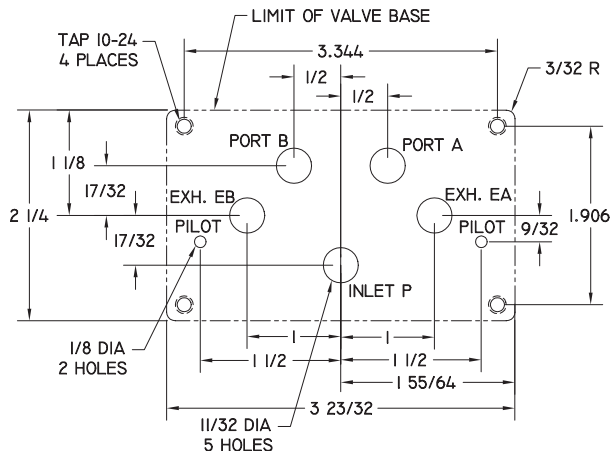
Subplate No.	Port O-rings	Pilot O-rings	Socket Head Cap Screw	Mounting Seal Kit
SP2 & SP3	1/2" I.D. x 5/8" O.D.	3/16" I.D. x 5/16" O.D.	10-24 x 7/8"	SPK-3
SP4	5/8" I.D. x 13/16" O.D.	1/8" I.D. x 1/4" O.D.	1/4"-20 x 2"	SPK-4
SP6 & SP8	1-1/8" I.D. x 1-3/8" O.D.	3/8" I.D. x 9/16" O.D.	5/16"-18 x 2-1/4"	SPK-8
SP12 & SP16	1-3/4" I.D. x 2" O.D.	3/8" I.D. x 9/16" O.D.	1/2"-13 x 3-3/4"	SPK-16

CUSTOM SUBPLATE DIMENSIONS

1/4" & 3/8" SUBPLATE MOUNTED VALVES

USERS SPECIAL MANIFOLDS

When laying out valves on a manifold or on a machine, be sure to allow sufficient clearance between valves for pilot connections, if any and space for removing solenoid covers for wiring.



MOUNTING PATTERN — 1/4" & 3/8" VALVES

SUBPLATE-TO-VALVE PORT SEALS

O-ring seals are furnished with each subplate valve for sealing between valve body and subplate. Replacement O-rings, if needed, can be purchased locally. Any material, such as Buna-N, which is compatible with air line lubrication can be used. Seal kits obtained from the AAA factory include these seals.

Subplate No.	O-ring for Replacement	Qty
SP2 & SP3	1/2" I.D. x 5/8" O.D.	5

PILOT PORT SEALS

Pilot O-ring seals are furnished with each subplate valve for sealing between valve body and subplate.

Subplate No.	O-ring for Replacement	Qty
SP2 & SP3	3/16" I.D. x 5/16" O.D.	2

SCREWS TO MOUNT VALVES ON SUBPLATES

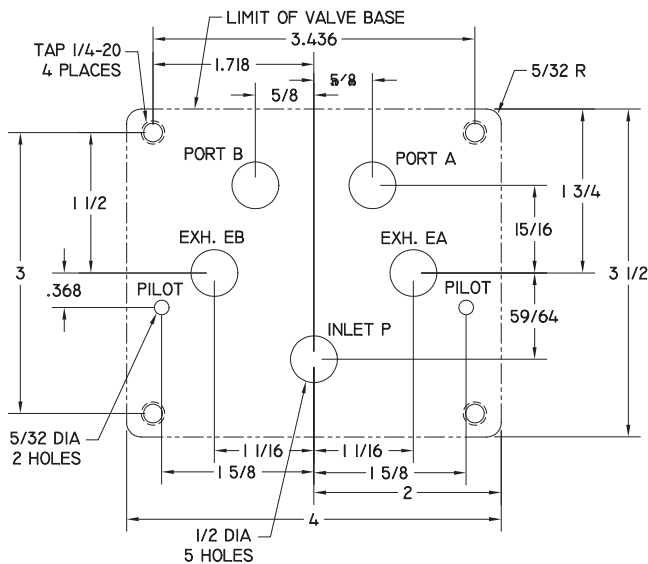
Mounting screws for attaching valves to subplate are normally furnished with each valve. If replacements are necessary, these can be obtained from the local industrial distributor in the following sizes.

Subplate No.	Thread	Length	Qty
SP2 & SP3	10-24	7/8"	4

1/2" SUBPLATE MOUNTED VALVE

USERS SPECIAL MANIFOLDS

When laying out valves on a manifold or on a machine, be sure to allow sufficient clearance between valves for pilot connections, if any and space for removing solenoid covers for wiring.



MOUNTING PATTERN — 1/2" VALVES

SUBPLATE-TO-VALVE PORT SEALS

O-ring seals are furnished with each subplate valve for sealing between valve body and subplate. Replacement O-rings, if needed, can be purchased locally. Any material, such as Buna-N, which is compatible with air line lubrication can be used. Seal kits obtained from the AAA factory include these seals.

Subplate No.	O-ring for Replacement	Qty
SP4	5/8" I.D. x 13/16" O.D.	5

PILOT PORT SEALS

Pilot O-ring seals are furnished with each subplate valve for sealing between valve body and subplate.

Subplate No.	O-ring for Replacement	Qty
SP4	1/8" I.D. x 1/4" O.D.	2

SCREWS TO MOUNT VALVES ON SUBPLATES

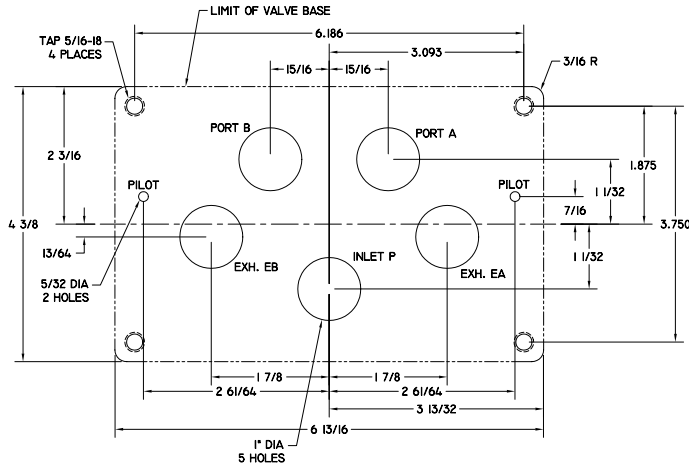
Mounting screws for attaching valves to subplate are normally furnished with each valve. If replacements are necessary, these can be obtained from the local industrial distributor in the following sizes.

Subplate No.	Thread	Length	Qty
SP4	1/4"-20	2"	4

3/4" & 1" SUBPLATE MOUNTED VALVES

USERS SPECIAL MANIFOLDS

When laying out valves on a manifold or on a machine, be sure to allow sufficient clearance between valves for pilot connections, if any and space for removing solenoid covers for wiring.



MOUNTING PATTERN — 3/4" & 1" VALVES

SUBPLATE-TO-VALVE PORT SEALS

O-ring seals are furnished with each subplate valve for sealing between valve body and subplate. Replacement O-rings, if needed, can be purchased locally. Any material, such as Buna-N, which is compatible with air line lubrication can be used. Seal kits obtained from the AAA factory include these seals.

Subplate No.	O-ring for Replacement	Qty
SP6 & SP8	1-1/8" I.D. x 1-3/8" O.D.	5

PILOT PORT SEALS

Pilot O-ring seals are furnished with each subplate valve for sealing between valve body and subplate.

Subplate No.	O-ring for Replacement	Qty
SP6 & SP8	3/8" I.D. x 9/16" O.D.	2

SCREWS TO MOUNT VALVES ON SUBPLATES

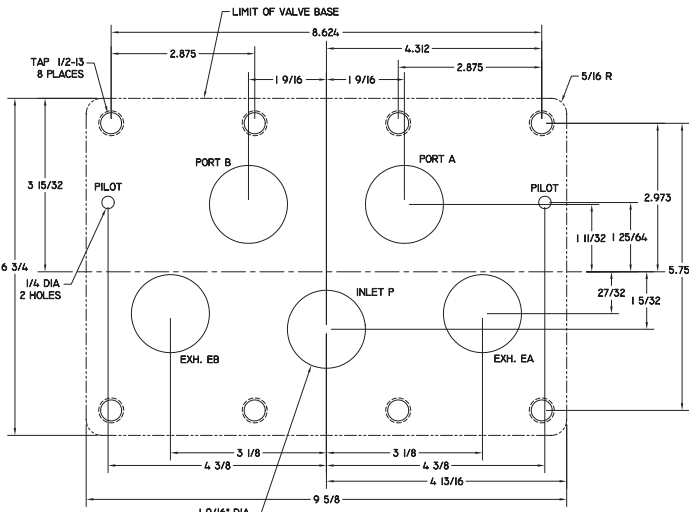
Mounting screws for attaching valves to subplate are normally furnished with each valve. If replacements are necessary, these can be obtained from the local industrial distributor in the following sizes.

Subplate No.	Thread	Length	Qty
SP6 & SP8	5/16"-18	2-1/4"	4

1-1/2" & 2" SUBPLATE MOUNTED VALVES

USERS SPECIAL MANIFOLDS

When laying out valves on a manifold or on a machine, be sure to allow sufficient clearance between valves for pilot connections, if any and space for removing solenoid covers for wiring.



MOUNTING PATTERN — 1-1/2" & 2" VALVES

SUBPLATE-TO-VALVE PORT SEALS

O-ring seals are furnished with each subplate valve for sealing between valve body and subplate. Replacement O-rings, if needed, can be purchased locally. Any material, such as Buna-N, which is compatible with air line lubrication can be used. Seal kits obtained from the AAA factory include these seals.

Subplate No.	O-ring for Replacement	Qty
SP12 & SP16	1-3/4" I.D. x 2" O.D.	5

PILOT PORT SEALS

Pilot O-ring seals are furnished with each subplate valve for sealing between valve body and subplate.

Subplate No.	O-ring for Replacement	Qty
SP12 & SP16	3/8" I.D. x 9/16" O.D.	2

SCREWS TO MOUNT VALVES ON SUBPLATES

Mounting screws for attaching valves to subplate are normally furnished with each valve. If replacements are necessary, these can be obtained from the local industrial distributor in the following sizes.

Subplate No.	Thread	Length	Qty
SP12 & SP16	1/2"-13	3-3/4"	8