

**Double Containment Product**  
**Ball Check Valve Box With Valve & Diaphragm Valve Box With Valve**



**Ball Check Valve Box With Valve**

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
 CPVC Sch 80 x PVC Sch 40

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1/2X2</b>	VBC2-C005-A020 425.77	VBC3-C005-A020 436.58	1	4	470
<b>3/4X3</b>	VBC2-C007-A030 450.54	VBC3-C007-A030 463.23	1	0	470
<b>1X3</b>	VBC2-C010-A030 480.92	VBC3-C010-A030 493.59	1	0	470
<b>1-1/2X4</b>	VBC2-C015-A040 862.25	VBC3-C015-A040 887.74	1	0	470
<b>2X4</b>	VBC2-C020-A040 948.94	VBC3-C020-A040 984.21	1	0	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
 CPVC Sch 80 x PVC Sch 80

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1/2X2</b>	VBC2-C005-B020 799.98	VBC3-C005-B020 810.77	1	4	470
<b>3/4X3</b>	VBC2-C007-B030 824.76	VBC3-C007-B030 837.43	1	4	470
<b>1X3</b>	VBC2-C010-B030 853.04	VBC3-C010-B030 867.98	1	3	470
<b>1-1/2X4</b>	VBC2-C015-B040 1227.06	VBC3-C015-B040 1252.54	1	3	470
<b>2X4</b>	VBC2-C020-B040 1320.28	VBC3-C020-B040 1355.57	1	0	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
 CPVC Sch 80 x CPVC Sch 80

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1/2X2</b>	VBC2-C005-C020 1266.74	VBC3-C005-C020 1277.54	1	0	470
<b>3/4X3</b>	VBC2-C007-C030 1291.66	VBC3-C007-C030 1304.36	1	4	470
<b>1X3</b>	VBC2-C010-C030 1319.80	VBC3-C010-C030 1334.73	1	4	470
<b>1-1/2X4</b>	VBC2-C015-C040 2294.46	VBC3-C015-C040 2319.96	1	3	470
<b>2X4</b>	VBC2-C020-C040 2377.89	VBC3-C020-C040 2413.20	1	3	470

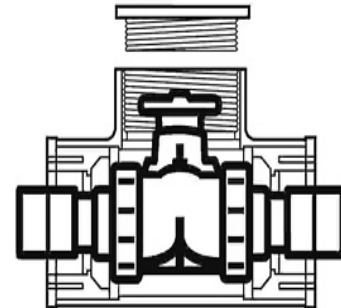
Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
 CPVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1/2X2</b>	VBC2-C005-G020 1625.48	VBC3-C005-G020 1636.26	1	4	470
<b>3/4X3</b>	VBC2-C007-G030 1684.05	VBC3-C007-G030 1696.76	1	4	470
<b>1X3</b>	VBC2-C010-G030 1712.18	VBC3-C010-G030 1727.11	1	3	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
 CPVC Sch 80 x PVC Sch 40 Clear (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1-1/2X4</b>	VBC2-C015-G040 3088.67	VBC3-C015-G040 3114.15	1	4	470
<b>2X4</b>	VBC2-C020-G040 3175.35	VBC3-C020-G040 3210.65	1	4	470

**Diaphragm Valve Box With Valve**



**Diaphragm Valve Box With Valve**

DC Diaphragm Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Diaphragm Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union Diaphragm Valve and Centralizers for positioning valve in box. Carrier valves are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

**General Installation Information:** Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of flow. While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

True Union Diaphragm Valve Specifications, Sizes 1/2" - 2":

Material:	PVC/CPVC	Maximum Service Temperature
Seals:	EPDM/FKM	PVC = 140°F (60°C)
PR, Water:	235 psi @ 73°F (23°C), 1/2" - 2"	CPVC = 200°F (93°C)
		Temperature/Pressure De-ratings Apply

All Valves assembled with Silicone-Free, Water Soluble Lubricant

Valve Box, with PVC True Union Diaphragm Valve  
 PVC Sch 40 x PVC Sch 40

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>1/2X2</b>	VBD20-A005-A020 467.35	VBD30-A005-A020 484.87	1	0	470
<b>3/4X3</b>	VBD20-A007-A030 489.07	VBD30-A007-A030 508.97	1	0	470
<b>1X3</b>	VBD20-A010-A030 531.77	VBD30-A010-A030 553.55	1	0	470



**Double Containment Product**  
**Diaphragm Valve Box With Valve**

**Diaphragm Valve Box With Valve**

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 40 x PVC Sch 40 (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2X4	VBD20-A015-A040 906.67	VBD30-A015-A040 960.97	1	0	470
2X4	VBD20-A020-A040 972.21	VBD30-A020-A040 1048.26	1	0	470

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 40 x PVC Sch 40 Clear

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-A005-G020 1707.14	VBD30-A005-G020 1724.67	1	0	470
3/4X3	VBD20-A007-G030 1761.36	VBD30-A007-G030 1781.26	1	0	470
1X3	VBD20-A010-G030 1804.25	VBD30-A010-G030 1826.05	1	0	470
1-1/2X4	VBD20-A015-G040 3168.87	VBD30-A015-G040 3223.14	1	0	470
2X4	VBD20-A020-G040 3234.34	VBD30-A020-G040 3310.39	1	0	470

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 80 x PVC Sch 40

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-B005-A020 481.01	VBD30-B005-A020 498.52	1	0	470
3/4X3	VBD20-B007-A030 507.53	VBD30-B007-A030 527.42	1	0	470
1X3	VBD20-B010-A030 549.64	VBD30-B010-A030 571.45	1	0	470
1-1/2X4	VBD20-B015-A040 936.76	VBD30-B015-A040 991.02	1	0	470
2X4	VBD20-B020-A040 1002.57	VBD30-B020-A040 1078.62	1	0	470

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-B005-G020 1756.26	VBD30-B005-G020 1773.78	1	0	470
3/4X3	VBD20-B007-G030 1779.81	VBD30-B007-G030 1799.72	1	0	470
1X3	VBD20-B010-G030 1821.95	VBD30-B010-G030 1843.76	1	0	470
1-1/2X4	VBD20-B015-G040 3198.75	VBD30-B015-G040 3253.02	1	0	470
2X4	VBD20-B020-G040 3264.77	VBD30-B020-G040 3340.82	1	0	470

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 80 x PVC Sch 80

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-B005-B020 861.65	VBD30-B005-B020 879.19	1	0	470

Valve Box, with PVC True Union Diaphragm Valve

PVC Sch 80 x PVC Sch 80 (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
3/4X3	VBD20-B007-B030 888.13	VBD30-B007-B030 908.02	1	0	470
1X3	VBD20-B010-B030 930.23	VBD30-B010-B030 952.02	1	0	470
1-1/2X4	VBD20-B015-B040 1369.68	VBD30-B015-B040 1423.96	1	0	470
2X4	VBD20-B020-B040 1435.71	VBD30-B020-B040 1511.76	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve

CPVC Sch 80 x PVC Sch 40

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-C005-A020 603.72	VBD30-C005-A020 682.35	1	0	470
3/4X3	VBD20-C007-A030 641.27	VBD30-C007-A030 782.83	1	0	470
1X3	VBD20-C010-A030 723.80	VBD30-C010-A030 829.09	1	0	470
1-1/2X4	VBD20-C015-A040 1150.48	VBD30-C015-A040 1277.25	1	0	470
2X4	VBD20-C020-A040 1195.65	VBD30-C020-A040 1344.76	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve

CPVC Sch 80 x PVC Sch 80

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-C005-B020 934.47	VBD30-C005-B020 1013.13	1	5	470
3/4X3	VBD20-C007-B030 1021.95	VBD30-C007-B030 1163.52	1	6	470
1X3	VBD20-C010-B030 1077.47	VBD30-C010-B030 1182.78	1	6	470
1-1/2X4	VBD20-C015-B040 1605.81	VBD30-C015-B040 1700.07	1	4	470
2X4	VBD20-C020-B040 1650.99	VBD30-C020-B040 1800.07	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve

CPVC Sch 80 x CPVC Sch 80

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-C005-C020 1337.18	VBD30-C005-C020 1415.82	1	0	470
3/4X3	VBD20-C007-C030 1423.66	VBD30-C007-C030 1565.25	1	0	470
1X3	VBD20-C010-C030 1479.15	VBD30-C010-C030 1584.45	1	0	470
1-1/2X4	VBD20-C015-C040 2619.54	VBD30-C015-C040 2713.77	1	0	470
2X4	VBD20-C020-C040 2664.68	VBD30-C020-C040 2813.78	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve

CPVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2X2	VBD20-C005-G020 1843.34	VBD30-C005-G020 1921.98	1	0	470



# Double Containment Product

## Diaphragm Valve Box With Valve & Clamp-On Saddles for Leak Detection Sensors

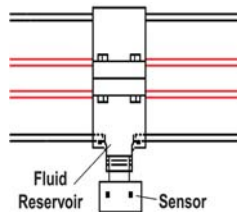


### Diaphragm Valve Box With Valve

Valve Box, with CPVC True Union Diaphragm Valve  
CPVC Sch 80 x PVC Sch 40 Clear (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
<b>3/4X3</b>	VBD20-C007-G030 1881.06	VBD30-C007-G030 2022.65	1	0	470
<b>1X3</b>	VBD20-C010-G030 1936.62	VBD30-C010-G030 2041.92	1	0	470
<b>1-1/2X4</b>	VBD20-C015-G040 3412.12	VBD30-C015-G040 3505.96	1	0	470
<b>2X4</b>	VBD20-C020-G040 3457.29	VBD30-C020-G040 3606.38	1	0	470

### Clamp-On Saddles for Leak Detection Sensors



Leak Detection Sensor Saddles are special devices which can be installed on the Containment system where a "low-point" is desired for leak detection apparatus. Spears® Clamp-on style saddles feature an internal O-ring seal to allow easy installation anywhere on the containment piping. Saddles may also be used in Containment high points for air relief or for connection of Containment drainage valves (see note below). See *Double Containment Design & Installation Guide* for proper installation.

Note: Saddles specified in this catalog are for listed containment pipe sizes through 8", with 1/2" or 3/4" NPT connections. For a wide variety of additional pipe and outlet sizes, including solvent weld outlets, please refer to Spears® *PVC/CPVC Clamp-On & Hot-Tap Saddles*.

Clamp-on Saddle Specifications, Containment sizes 2" - 8":

Material:	PVC/CPVC	
Seals:	EPDM/FKM	Maximum Service Temperature
Hardware:	Stainless Steel (no fluid contact)	PVC = 140°F (60°C)
Outlet:	Special Reinforced (SR) Female Plastic thread	CPVC = 200°F (93°C)
	1/2" or 3/4" NPT (see note below)	Temperature/Pressure De-ratings Apply
PR, Water:	235 psi @ 73°F (23°C), 2" - 4"	
	200 psi @ 73°F (23°C)	
	150 psi @ 73°F (23°C), 8"	

### PVC White Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>with EPDM O-ring Seal &amp; SS Hardware</b>						
2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)						
467SE-247SR	<b>2X1/2</b>	3/4	1	10	046	65.72
467SE-248SR	<b>2X3/4</b>	7/8	1	10	046	65.72
467SE-333SR <sup>1</sup>	<b>3X1/2</b>	7/8	1	10	046	88.18
467SE-334SR	<b>3X3/4</b>	7/8	1	10	046	88.18
467SE-415SR <sup>1</sup>	<b>4X1/2</b>	1-1/8	1	10	046	110.64

Made in the U.S.A.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

Effective 02/01/2020 See MSRP-1 Sheet or Check Spears® On-line Catalog @ [www.spearsmfg.com](http://www.spearsmfg.com) for Pricing

### PVC White Clamp-On Saddle x SR Thread (continued)

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>with EPDM O-ring Seal &amp; SS Hardware</b>						
467SE-416SR <sup>1</sup>	<b>4X3/4</b>	1-1/8	1	10	046	110.64
467SE-523SR <sup>1</sup>	<b>6X1/2</b>	1-1/8	1	4	046	185.92
467SE-524SR <sup>1</sup>	<b>6X3/4</b>	1-1/8	1	4	046	185.92
467SE-573SR <sup>1</sup>	<b>8X1/2</b>	4	1	0	046	266.73
467SE-574SR <sup>1</sup>	<b>8X3/4</b>	4	1	0	046	266.73

<sup>1</sup> Outlet Sized with Adapter

PVC White Saddles with FKM O-ring seals available by special order

### PVC Gray Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>with EPDM O-ring Seal &amp; SS Hardware</b>						
2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)						
867S-247SR	<b>2X1/2</b>	3/4	1	10	086	70.93
867S-248SR	<b>2X3/4</b>	7/8	1	10	086	70.93
867S-333SR <sup>1</sup>	<b>3X1/2</b>	7/8	1	10	086	95.36
867S-334SR	<b>3X3/4</b>	7/8	1	10	086	95.36
867S-415SR <sup>1</sup>	<b>4X1/2</b>	1-1/8	1	10	086	120.06
867S-416SR <sup>1</sup>	<b>4X3/4</b>	1-1/8	1	10	086	120.06
867S-523SR <sup>1</sup>	<b>6X1/2</b>	1-1/8	1	4	086	173.56
867S-524SR <sup>1</sup>	<b>6X3/4</b>	1-1/8	1	4	086	173.56
867S-573SR <sup>1</sup>	<b>8X1/2</b>	4	1	0	086	321.84
867S-574SR <sup>1</sup>	<b>8X3/4</b>	4	1	0	086	321.84

<sup>1</sup> Outlet sized with Adapter

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>with FKM O-ring Seal &amp; SS Hardware</b>						
2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)						
867SV-247SR	<b>2X1/2</b>	3/4	1	10	086	79.36
867SV-248SR	<b>2X3/4</b>	7/8	1	10	086	79.36
867SV-333SR <sup>1</sup>	<b>3X1/2</b>	7/8	1	10	086	106.11
867SV-334SR	<b>3X3/4</b>	7/8	1	10	086	106.11
867SV-415SR <sup>1</sup>	<b>4X1/2</b>	1-1/8	1	10	086	133.97
867SV-416SR <sup>1</sup>	<b>4X3/4</b>	1-1/8	1	10	086	133.97
867SV-523SR <sup>1</sup>	<b>6X1/2</b>	1-1/8	1	4	086	196.78
867SV-524SR <sup>1</sup>	<b>6X3/4</b>	1-1/8	1	4	086	196.78
867SV-573SR <sup>1</sup>	<b>8X1/2</b>	4	1	0	086	351.64
867SV-574SR <sup>1</sup>	<b>8X3/4</b>	4	1	0	086	351.64

<sup>1</sup> Outlet sized with Adapter

### CPVC Gray Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>with EPDM O-ring Seal &amp; SS Hardware</b>						
2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)						
867S-247CSR	<b>2X1/2</b>	3/4	1	10	096	118.78
867S-248CSR	<b>2X3/4</b>	7/8	1	10	096	118.78
867S-333CSR <sup>1</sup>	<b>3X1/2</b>	7/8	1	10	096	159.01
867S-334CSR	<b>3X3/4</b>	7/8	1	10	096	159.01
867S-415CSR <sup>1</sup>	<b>4X1/2</b>	1-1/8	1	10	096	200.12
867S-416CSR <sup>1</sup>	<b>4X3/4</b>	1-1/8	1	10	096	200.12
867S-523CSR <sup>1</sup>	<b>6X1/2</b>	1-1/8	1	4	096	333.52
867S-524CSR <sup>1</sup>	<b>6X3/4</b>	1-1/8	1	4	096	333.52
867S-573CSR	<b>8X1/2</b>	4	1	0	096	592.51
867S-574CSR <sup>1</sup>	<b>8X3/4</b>	4	1	0	096	592.51

<sup>1</sup> Outlet sized with Adapter