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"AMERICAN MADE VALVES USED IN
OEM INSTRUMENTATION,
TRANSPORTATION, AUTOMATION AND
GENERAL MANUFACTURING
APPLICATIONS"

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INSTRUMENTATION BALL VALVES

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BALL VALVES

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SHUT OFF VALVES

SPECIALTY VALVES

RV PRODUCTS



360 SERIES INSTRUMENTATION 2-WAY BALL VALVES:



FEATURES / BENEFITS

Bar-Stock Brass or Stainless Body
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Made in USA
Guaranteed Quality and Long Life

APPLICATION

Panel Applications
Vacuum Service
Oxygen Service
UL Approved for
Refrigerant Service

SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300° F
Special to 400° F

360BV



Size	Part Number	CV	Orifice Diameter
1/8"	360BV-J	1.39	0.235
1/4"	360BV-L	1.57	0.25
3/8"	360BV-N	2.74	0.33
1/2"	360BV-P	2.74	0.33

361BV



Size	Part Number	CV	Orifice Diameter
1/8"	361BV-J	1.39	0.235
1/4"	361BV-L	1.57	0.25
3/8"	361BV-N	2.74	0.33
1/2"	361BV-P	2.74	0.33

362BV



Size	Part Number	CV	Orifice Diameter
1/8"	362BV-J	1.57	0.25
1/4"	362BV-L	1.57	0.25
3/8"	362BV-N	2.74	0.33
1/2"	362BV-P	2.74	0.33

364BVS



Size	Part Number	CV	Orifice Diameter
1/8"	*364BVS-2	0.22	0.093
1/4"	*364BVS-4	0.88	0.187
3/8"	*364BVS-6	1.57	0.25
1/2"	*364BVS-8	2.74	0.33



We Encourage OEM Specifications

390 SERIES INSTRUMENTATION 2-WAY BALL VALVES:



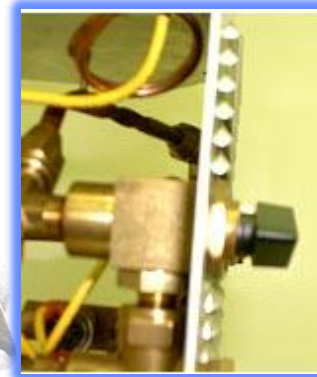
FEATURES / BENEFITS

Bar-Stock Brass or Stainless Body
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Made in USA
Guaranteed Quality and Long Life



APPLICATION

Panel Applications
Vacuum Service
Oxygen Service
UL Approved for Refrigerant Service
Tight Installations
Eliminate 90 Degree Elbows



SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300° F
Special to 400° F

390BV



Size	End Connection	Part Number	CV	Orifice Diameter
1/8"	MxF NPTF	390BV-J	1.39	0.235
1/4"	MxF NPTF	390BV-L	1.57	0.25
3/8"	MxF NPTF	390BV-N	2.74	0.33
1/2"	MxF NPTF	390BV-P	2.74	0.33

391BV



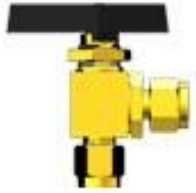
Size	End Connection	Part Number	CV	Orifice Diameter
1/8"	MxM NPTF	391BV-J	1.39	0.235
1/4"	MxM NPTF	391BV-L	1.57	0.25
3/8"	MxM NPTF	391BV-N	2.74	0.33
1/2"	MxM NPTF	391BV-P	2.74	0.33

392BV



Size	End Connection	Part Number	CV	Orifice Diameter
1/8"	FxF NPTF	392BV-J	1.57	0.25
1/4"	FxF NPTF	392BV-L	1.57	0.25
3/8"	FxF NPTF	392BV-N	2.74	0.33
1/2"	FxF NPTF	392BV-P	2.74	0.33

394BV



Size	End Connection	Part Number	CV	Orifice Diameter
1/8"	Shur-Loc	*394BVS-2	0.22	0.093
1/4"	Shur-Loc	*394BVS-4	0.88	0.187
3/8"	Shur-Loc	*394BVS-6	1.57	0.25
1/2"	Shur-Loc	*394BVS-8	2.74	0.33



3200 SERIES INSTRUMENTATION 3-WAY BALL VALVES:



FEATURES / BENEFITS

Bar-Stock Brass or Stainless Body
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Made in USA
Guaranteed Quality and Long Life

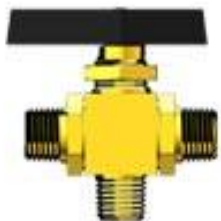
APPLICATION

Panel Applications
Vacuum Service
Oxygen Service
UL Approved for Refrigerant Service
Center Off Position Standard
See Optional Ball Drillings Below

SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300° F
Special to 400° F

3211BV



Size	Part Number	CV	Orifice Diameter
1/8"	3211BV-JJxJ	1.57	0.25
1/4"	3211BV-LLxL	1.57	0.25
3/8"	3211BV-NNxN	2.74	0.33

3222BV



Size	Part Number	CV	Orifice Diameter
1/8"	3222BV-JJxJ	1.57	0.25
1/4"	3222BV-LLxL	1.57	0.25
3/8"	3222BV-NNxN	2.74	0.33
1/2"	3222BV-PPxP	2.74	0.33

3244BV



Size	Part Number	CV	Orifice Diameter
1/8"	3244BVS-2	0.22	0.093
1/4"	3244BVS-6	0.88	0.187
3/8"	3244BVS-8	1.57	0.25

4000 SERIES INSTRUMENTATION 4-WAY BALL VALVES:

FOUR WAY



FOUR WAY BOTTOM INLET



THREE WAY SIDE OUTLET



FEATURES / BENEFITS

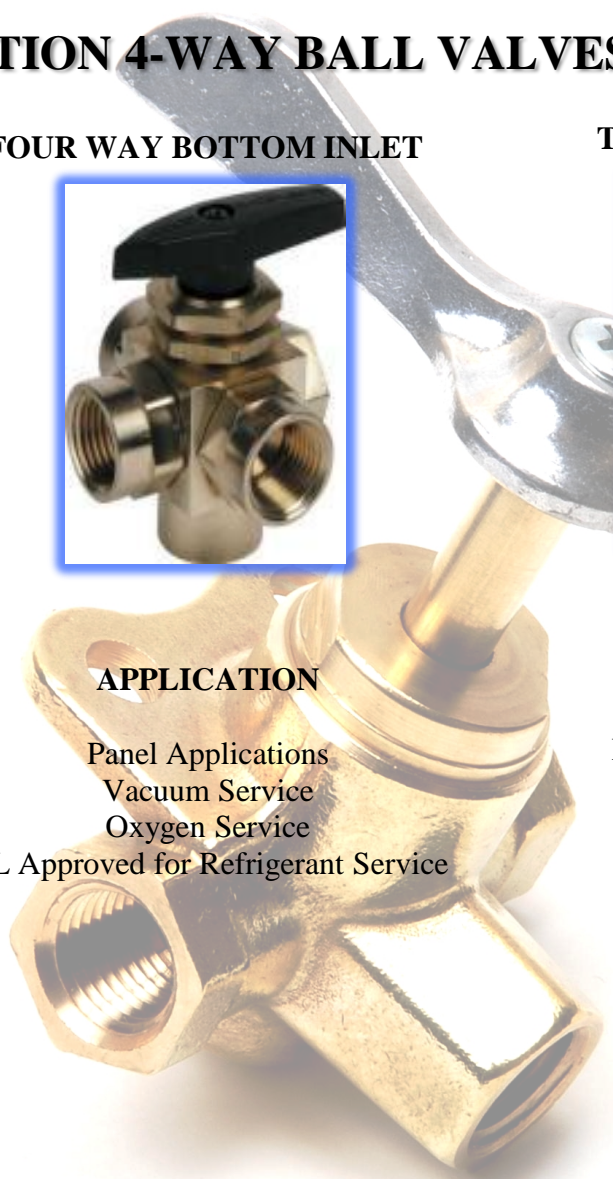
Bar-Stock Brass or Stainless Body
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Made in USA
Guaranteed Quality and Long Life

APPLICATION

Panel Applications
Vacuum Service
Oxygen Service
UL Approved for Refrigerant Service

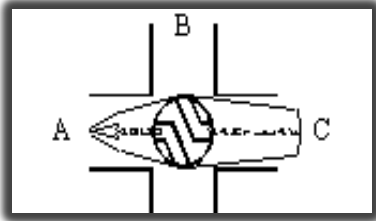
SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300° F
Special to 400° F

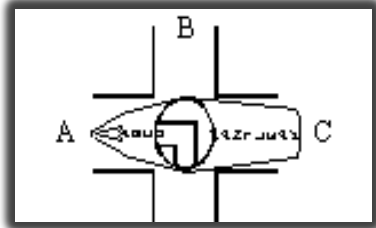


Porting Options

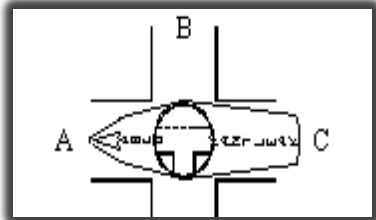
Style "E"



Style "T"



Style "Y"



4022BV

Size	Side Only End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 3-WAY	4022BV-JJxJ	0.64	0.16
1/4"	F NPTF 3-WAY	4022BV-LLxL	0.64	0.16
3/8"	F NPTF 3-WAY	4022BV-NNxN	3.53	0.375
1/2"	F NPTF 3-WAY	4022BV-PPxP	3.53	0.375

4122BVE

Size	Side Only End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 4-WAY	4122BVE-JJxJ	0.64	0.16
1/4"	F NPTF 4-WAY	4122BVE-LLxL	0.64	0.16
3/8"	F NPTF 4-WAY	4122BVE-NNxN	0.8	0.187
1/2"	F NPTF 4-WAY	4122BVEPPxP	0.8	0.187

4122BVT

Size	Side Only End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 4-WAY	4122BVT-JJxJ	0.64	0.16
1/4"	F NPTF 4-WAY	4122BVT-LLxL	0.64	0.16
3/8"	F NPTF 4-WAY	4122BVT-NNxN	3.53	0.375
1/2"	F NPTF 4-WAY	4122BVTPPxP	3.53	0.375

4122BVY

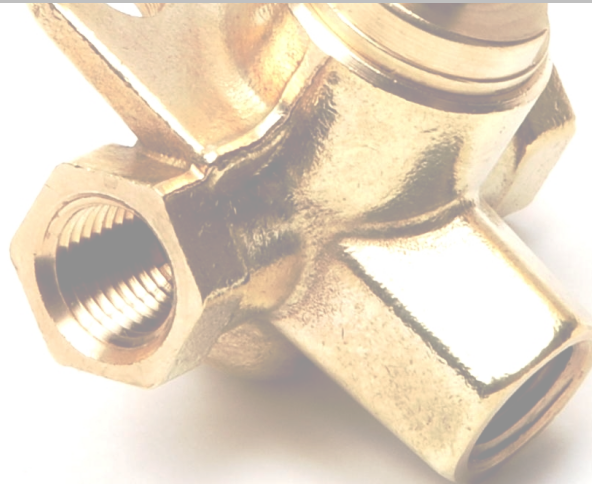


Size	Side Only End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 4-WAY	4122BVY-JJxJ	0.64	0.16
1/4"	F NPTF 4-WAY	4122BVY-LLxL	0.64	0.16
3/8"	F NPTF 4-WAY	4122BVY-NNxN	3.53	0.375
1/2"	F NPTF 4-WAY	4122BVYPPxP	3.53	0.375

4222BV



Size	Side & Bottom End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 4-WAY	4222BV-JJxJ	0.64	0.16
1/4"	F NPTF 4-WAY	4222BV-LLxL	0.64	0.16
3/8"	F NPTF 4-WAY	4222BV-NNxN	3.53	0.375
1/2"	F NPTF 4-WAY	4222BV-PPxP	3.53	0.375



5000 SERIES INSTRUMENTATION 5-WAY BALL VALVES:



FEATURES / BENEFITS

Bar-Stock Brass or Stainless Body
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Made in USA
Guaranteed Quality and Long Life

APPLICATION

Panel Applications
Vacuum Service
Oxygen Service
UL Approved for Refrigerant Service

SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300° F
Special to 400° F





Size	End Connection	Part Number	CV	Orifice Diameter
1/8"	F NPTF 5-WAY	5222BVA-JJxJ	0.64	0.16
1/8"	F NPTF 5-WAY	5222BVB-JJxJ	0.64	0.16
1/8"	F NPTF 5-WAY	5222BVC-JJxJ	0.64	0.16
1/8"	F NPTF 5-WAY	5222BVD-JJxJ	0.64	0.16
1/4"	F NPTF 5-WAY	5222BVA-LLxL	0.64	0.16
1/4"	F NPTF 5-WAY	5222BVB-LLxL	0.64	0.16
1/4"	F NPTF 5-WAY	5222BVC-LLxL	0.64	0.16
1/4"	F NPTF 5-WAY	5222BVD-LLxL	0.64	0.16
3/8"	F NPTF 5-WAY	5222BVA-NNxN	3.53	0.375
3/8"	F NPTF 5-WAY	5222BVB-NNxN	3.53	0.375
3/8"	F NPTF 5-WAY	5222BVC-NNxN	3.53	0.375
3/8"	F NPTF 5-WAY	5222BVD-NNxN	3.53	0.375
1/2"	F NPTF 5-WAY	5222BVA-PPxP	3.53	0.375
1/2"	F NPTF 5-WAY	5222BVB-PPxP	3.53	0.375
1/2"	F NPTF 5-WAY	5222BVC-PPxP	3.53	0.375
1/2"	F NPTF 5-WAY	5222BVD-PPxP	3.53	0.375



3500/9000 INSTRUMENTATION MULTI-PORT DUAL CONTROL STACKED VALVES:

3500 SERIES



9000 SERIES



NINE PORT

FOUR PORT

EIGHT PORT



FEATURES / BENEFITS

Made in the USA
Double O-Ring Stem Seal
20,000 Leak Free Cycles
Blow Out Proof Stem
Metal Retainer Seal
Custom ball porting gives ultimate control

SERVICE CONDITIONS

Maximum Pressure 1500 PSI
Temperature -40 to 300 F
Special to 400F

APPLICATIONS

Panel Applications
Fuel supply and return
Actuator switching control
Common control of more than one function

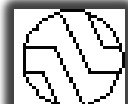
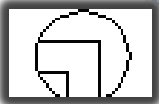
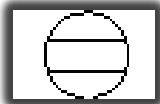
End Connection	Material	Part Number	CV	Orifice Diameter
F NPTF 4-WAY	Brass	35222B4 ZZ JJxJ	1.57	0.250
F NPTF 4-WAY	Brass	35222B4 ZZ LLxL	1.57	0.250
F NPTF 5-WAY	Brass	35222B5 ZD JJxJ	1.57	0.250
F NPTF 5-WAY	Brass	35222B5 ZD LLxL	1.57	0.250
F NPTF 8-WAY	Brass	9222B8 TT JJxJ	0.64	0.160
F NPTF 8-WAY	Brass	9222B8 TT LLxL	0.64	0.160
F NPTF 8-WAY	Brass	9222B8 TT NNxN	3.35	0.375
F NPTF 8-WAY	Brass	9222B8 TT PPxP	3.53	0.375
F NPTF 9-WAY	Brass	9222B9 TA JJxJ	0.64	0.160
F NPTF 9-WAY	Brass	9222B9 TA LLxL	0.64	0.160
F NPTF 9-WAY	Brass	9222B9 TA NNxN	3.53	0.375
F NPTF 9-WAY	Brass	9222B9 TA PPxP	3.53	0.375



BALL DRILLING

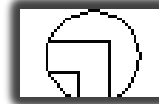
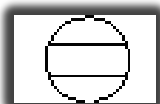
Options
(View From Top of Ball)

Style Z Style T Style Y Style E

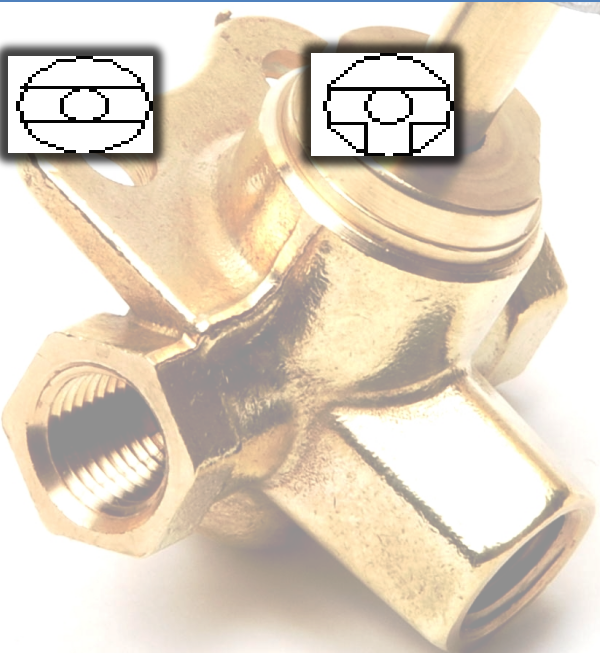
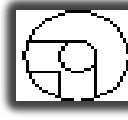
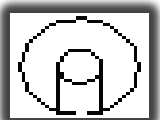


Options
(View From Top of Ball)

Style Z Style T Style Y Style E



Style A Style B Style C Style D



120 SERIES BALL VALVES:

3 WAY DIVERTER



120 SERIES

2 WAY IN LINE



160 SERIES

2 WAY 90 DEGREE



190 SERIES

FEATURES / BENEFITS

Forged Brass Body
Double O-Ring Stem Seal
20,000 leak free cycles
Blow Out Proof Stem
Made in USA

APPLICATION

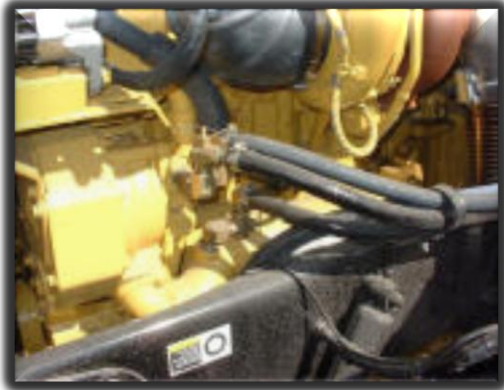
Fuel Tank Shut-Off
Coolant Stop
Diverter Valves
Hydraulic or Pneumatic

SERVICE CONDITIONS

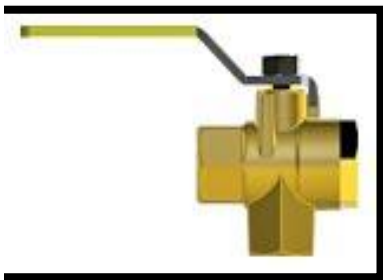
Maximum Pressure - 600 PSI
Temperature to 300° F
Saturated Steam 150 PSI



Product Applications:

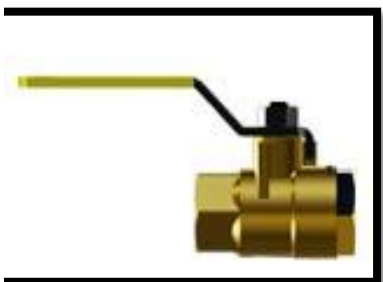


120 Series



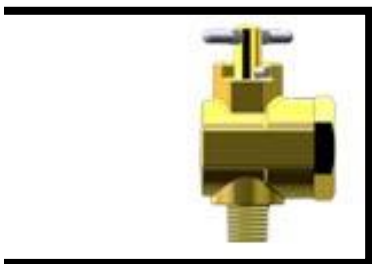
Size	Part Number	CV
1/4"	120BV-L	5.2
3/8"	120BV-N	5.5
1/2"	120BV-P	5.5

150 Series



Size	Part Number	CV
1/4"	162BV-L	8
3/8"	162BV-N	9.8
1/2"	162BV-P	9.8
3/4"	162BV-R	25
1"	162BV-S	35

190 Series



Size	Part Number	CV
1/4"	190BV-L	5.2
3/8"	190BV-N	5.5
1/2"	190BV-P	5.5

350 SERIES 2 WAY BALL VALVES:



FEATURES / BENEFITS

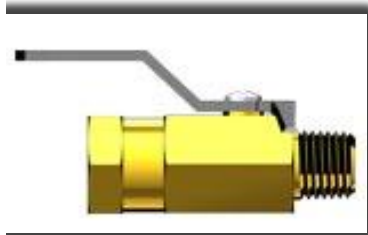
Brass Bar-Stock Body
Blow Out Proof Stem
Viton Stem Seal
Standard Lever Handle
Optional Round Handle
Nickel Plated Brass Ball
Made in USA

APPLICATIONS

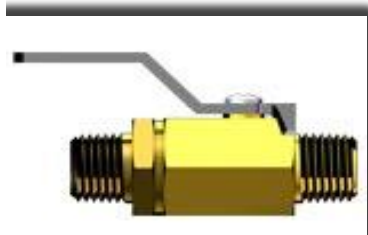
Compact Shut-Off Installations
Integral Hose Shut Off
Low Cost Instrumentation

SERVICE CONDITIONS

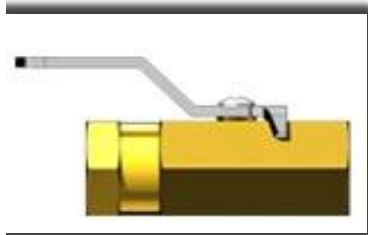
Maximum Pressure – 1000 psig
Temperature
-40° to 300° F (standard)
to 400° F (special)



Size	End Configuration	Part Number	CV	Orifice
1/8"	M x F NPTF	350BVJ	1.39	0.25
1/4"x1/8"	M x F NPTF	350BVJxL	1.39	0.25
1/4"	M x F NPTF	350BVL	1.57	0.25
3/8"x1/4"	M x F NPTF	350BVLxN	1.57	0.25

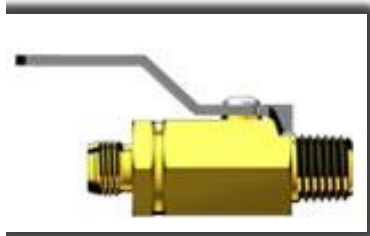


Size	End Configuration	Part Number	CV	Orifice
1/8"	M x M NPTF	351BVJ	1.39	0.25
1/8"x1/4"	M x M NPTF	351BVJxL	1.39	0.25
1/4"	M x M NPTF	351BVL	1.57	0.25
3/8"x1/4"	M x M NPTF	351BVN	1.57	0.25

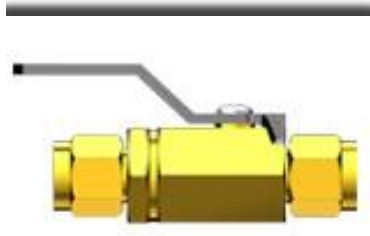


Size	End Configuration	Part Number	CV	Orifice
1/8"	F x F NPTF	352BVJ	1.39	0.25
1/4"	F x F NPTF	352BVL	1.57	0.25
1/8"x1/4"	F x F NPTF	352BVJxL	1.39	0.25

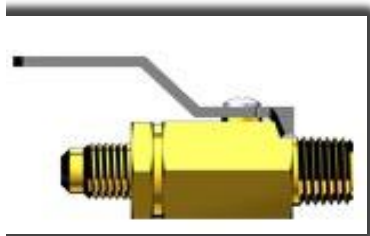




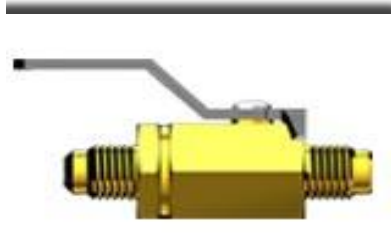
Size	End Configuration	Part Number	CV	Orifice
1/4"x1/8"	Tube x M NPTF	353BV4J	1.39	0.25
1/4"	Tube x M NPTF	353BV4L	1.57	0.25
3/8"x1/4"	Tube x M NPTF	353BV6L	1.57	0.25



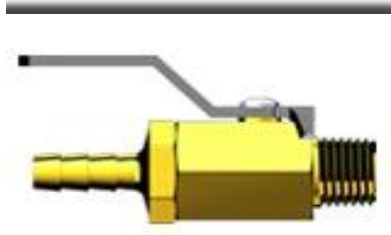
Size	End Configuration	Part Number	CV	Orifice
1/8"	Tube x Tube	354BVS-2	1.39	0.25
1/4"	Tube x Tube	354BVS-4	1.57	0.25
3/8"x3/8"	Tube x Tube	354BVS-6	2.74	0.25



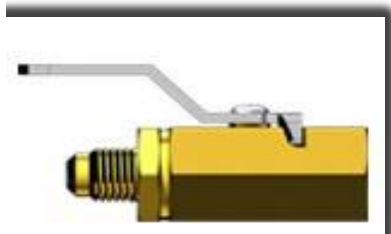
Size	End Configuration	Part Number	CV	Orifice
1/4"x1/8"	Flare x M NPTF	355BV4J	1.39	0.25
1/4"	Flare x M NPTF	355BV4L	1.57	0.25
3/8"x1/8"	Flare x M NPTF	355BV6J	1.57	0.25
3/8"x1/4"	Flare x M NPTF	355BV6L	1.57	0.25
3/8"x3/8"	Flare x M NPTF	355BV6N	2.74	0.25



Size	End Configuration	Part Number	CV	Orifice
1/4"	Flare x Flare	356BV-4	1.57	0.25
3/8"	Flare x Flare	356BV-6	1.57	0.25



Size	End Configuration	Part Number	CV	Orifice
1/4"x1/8"	Barb x M NPTF	357BV4J	1.39	0.25
1/4"x1/8"	Barb x M NPTF	357BV4L	1.57	0.25
5/16"x1/4"	Barb x M NPTF	357BV5L	1.57	0.25
3/8"x1/4"	Barb x M NPTF	357BV6L	1.57	0.25
3/8"	Barb x M NPTF	357BV6N	2.74	0.25



Size	End Configuration	Part Number	CV	Orifice
1/4"x1/8"	Flare x F NPTF	358BV4J	1.39	0.25
1/4"x1/8"	Flare x F NPTF	358BV4L	1.57	0.25

NEEDLE & TOGGLE VALVES: METERING VALVES V1, V3

V1 / V3B0



V1 / V3B2-3A



V1 / V3H0



V1 / V3H2-3A



FEATURES / BENEFITS

V1 Series 37° Taper / 7 Turns to Open
V1 Semi-Metering Functions
V3 Series 5° Taper / 10 Turns to Open
V3 Full Metering Functions
Forged Brass Body

APPLICATIONS

Panel Mount Installations
In Line Metering
Full Shut Off With Metering
90° Body for Tight Areas

SERVICE CONDITIONS

Maximum Pressure :
V1: 1000 PSI
V3: 3500 PSI
Temperature:
-40 To 300 F (Standard)
-40 To 400 F (Special)

Size	End Connection	Part Number	Description	Orifice
1/8"	MxF NPTF	V1B0-J	Straight - Regular Mount	0.141
1/4"	MxF NPTF	V1B0-L	Straight - Regular Mount	0.188
1/4"	MxF NPTF	V1B0-3A-L	Straight - Panel Mount	0.188
3/8"	MxF NPTF	V1B0-N	Straight - Regular Mount	0.313
1/8"	MxM NPTF	V1B1-J	Straight - Regular Mount	0.141
1/4"	MxM NPTF	V1B1-L	Straight - Regular Mount	0.188
1/4"	MxM NPTF	V1B1-3A-L	Straight - Panel Mount	0.188
3/8"	MxM NPTF	V1B1-3A-N	Straight - Panel Mount	0.313
1/8"	FxF NPTF	V1B2-J	Straight - Regular Mount	0.172
1/8"	FxF NPTF	V1B2-3A-J	Straight - Panel Mount	0.172
1/4"	FxF NPTF	V1B2-L	Straight - Regular Mount	0.188
1/4"	FxF NPTF	V1B2-3A-L	Straight - Panel Mount	0.188
1/8"	MxF NPTF	V1H0-J	Angle - Regular Mount	0.188
1/8"	MxF NPTF	V1H0-3A-J	Angle - Panel Mount	0.188
1/4"	MxF NPTF	V1H0-L	Angle - Regular Mount	0.281
1/8"	MxM NPTF	V1H1-J	Angle - Regular Mount	0.188
1/8"	MxM NPTF	V1H1-3A-J	Angle - Panel Mount	0.188
1/4"	MxM NPTF	V1H1-L	Angle - Regular Mount	0.281
1/4"	MxM NPTF	V1H1-3A-L	Angle - Panel Mount	0.281
3/8"	MxM NPTF	V1H1-N	Angle - Regular Mount	0.406
3/8"	MxM NPTF	V1H1-3A-N	Angle - Panel Mount	0.406
1/8"	FxF NPTF	V1H2-J	Angle - Regular Mount	0.188
1/8"	FxF NPTF	V1H2-3A-J	Angle - Panel Mount	0.188
1/4"	FxF NPTF	V1H2-L	Angle - Regular Mount	0.281
1/4"	FxF NPTF	V1H2-3A-L	Angle - Panel Mount	0.281
1/8"	MxF NPTF	V3B0-J	Straight - Regular Mount	0.102
1/8"	MxF NPTF	V3B0-3A-J	Straight - Panel Mount	0.102
1/4"	MxF NPTF	V3B0-L	Straight - Regular Mount	0.172
1/8"	MxM NPTF	V3B1-J	Straight - Regular Mount	0.102
1/8"	MxM NPTF	V3B1-3A-J	Straight - Panel Mount	0.102

1/4"	MxM NPTF	V3B1-L	Straight - Regular Mount	0.172
1/4"	MxM NPTF	V3B1-3A-L	Straight - Panel Mount	0.172
1/8"	FxF NPTF	V3B2-J	Straight - Regular Mount	0.141
1/8"	FxF NPTF	V3B2-3A-J	Straight - Panel Mount	0.141
1/4"	FxF NPTF	V3B2-L	Straight - Regular Mount	0.172
1/4"	FxF NPTF	V3B2-3A-L	Straight - Panel Mount	0.172
1/8"	MxF NPTF	V3H0-J	Angle - Regular Mount	0.182
1/8"	MxF NPTF	V3H0-3A-J	Angle - Panel Mount	0.182
1/4"	MxF NPTF	V3H0-L	Angle - Regular Mount	0.182
1/4"	MxF NPTF	V3H0-3A-L	Angle - Panel Mount	0.182
1/4"	MxM NPTF	V3H1-L	Angle - Regular Mount	0.182
1/4"	MxM NPTF	V3H1-3A-L	Angle - Panel Mount	0.182
1/8"	FxF NPTF	V3H2-J	Angle - Regular Mount	0.182
1/8"	FxF NPTF	V3H2-3A-J	Angle - Panel Mount	0.182
1/4"	FxF NPTF	V3H2-L	Angle - Regular Mount	0.182
1/4"	FxF NPTF	V3H2-3A-L	Angle - Panel Mount	0.182



TOGGLE VALVES K2:

K2B2-3A



K2H0



K2B2-3A



K2H0



APPLICATIONS

Gas Analysis
Panel Mounting
90° Body for Tight Areas
Test Equipment

FEATURES / BENEFITS

Instantaneous Open or Close
Gas Sampling
O-Ring Sealed Stem
Forged Brass Body
Viton Seat
Made in USA

SERVICE CONDITIONS

Maximum Pressure : 200 PSIG
Temperature - 0 to 400 F

Size	End Connection	Part Number	Description	Orifice
1/8"	MxF NPTF	K2B0-J	Straight - Regular Mount	0.125
1/4"	MxM NPTF	K2B1-L	Straight - Regular Mount	0.218
1/8"	MxM NPTF	K2B1-3A-J	Straight - Panel Mount	0.125
1/4"	MxM NPTF	K2B1-3A-L	Straight - Panel Mount	0.218
1/8"	FxF NPTF	K2B2-J	Straight - Regular Mount	0.125
1/8"	FxF NPTF	K2B2-3A-J	Straight - Panel Mount	0.125
1/4"	FxF NPTF	K2B2-L	Straight - Regular Mount	0.25
1/4"	FxF NPTF	K2B2-3A-L	Straight - Panel Mount	0.25
1/8"	MxF NPTF	K2H0-J	Angle - Regular Mount	0.125
1/8"	MxF NPTF	K2H0-3A-J	Angle - Panel Mount	0.125
1/4"	MxF NPTF	K2H0-L	Angle - Regular Mount	0.25
1/8"	FxF NPTF	K2H2-J	Angle - Regular Mount	0.125
1/8"	FxF NPTF	K2H2-3A-J	Angle - Panel Mount	0.125
1/4"	FxF NPTF	K2H2-L	Angle - Regular Mount	0.25
1/4"	FxF NPTF	K2H2-3A-L	Angle - Panel Mount	0.25



90 AND 900 SERIES: RISING STEM TRUCK VALVES:

905V-6N



90V-N



P97V-10N



FEATURES / BENEFITS

Forged Brass Body
High Flow Construction
Special End Connections
Made in USA

APPLICATIONS

Fuel Lines
Cooling Systems
Air Systems

SERVICE CONDITIONS

Maximum Pressure : 200 PSIG
Temperature - 20 to +250 F

Part Number	Bottom Port	Side Port	Handle
P97V-6N	3/8" M NPTF	3/8" Hose Barb	Pin
97V-6N	3/8" M NPTF	3/8" Hose Barb	Round
97V6N-1	3/8" M NPTF	3/8" Hose Bib	Round
P97V-10N	3/8" M NPTF	5/8" Hose Bib	Pin
97V-10N	3/8" M NPTF	5/8" Hose Bib	Round
97V-10P	1/2" M NPTF	5/8" Hose Bib	Round
907V-10P	1/2" M NPTF	5/8" Hose Bib	Round
907V-12N	3/8" M NPTF	3/4" Hose Bib	Round
907V-12P	1/2" M NPTF	3/4" Hose Bib	Round
90V-N	3/8" M NPTF	3/8" F NPTF	Round
90V-NP	1/2" M NPTF	3/8" F NPTF	Round
900V-N	3/8" M NPTF	3/8" F NPTF	Round
900V-P	1/2" M NPTF	1/2" F NPTF	Round
93V-8P	1/2" M NPTF	1/2" Tube w/ Support	Round
93V-P8	1/2" Tube w/ Support	1/2" M NPTF	Round
95V-6N	3/8" M NPTF	3/8" Tube	Round
P95V-6N	3/8" M NPTF	3/8" Tube	Pin
95V-10P	1/2" M NPTF	5/8" Tube	Round
95V-P10	5/8" Tube	1/2" M NPTF	Round
905V-10P	1/2" M NPTF	5/8" Tube	Round

100 AND 200 SERIES PLUS SIX PORT FUEL VALVES SELECTOR OR SWITCHING VALVES:

100 SERIES 3 PORT



FEATURES / BENEFITS

Forged Brass Body
Plug Style Valve
Mounting Brackets
Made in USA

200 SERIES 4 PORT



APPLICATIONS

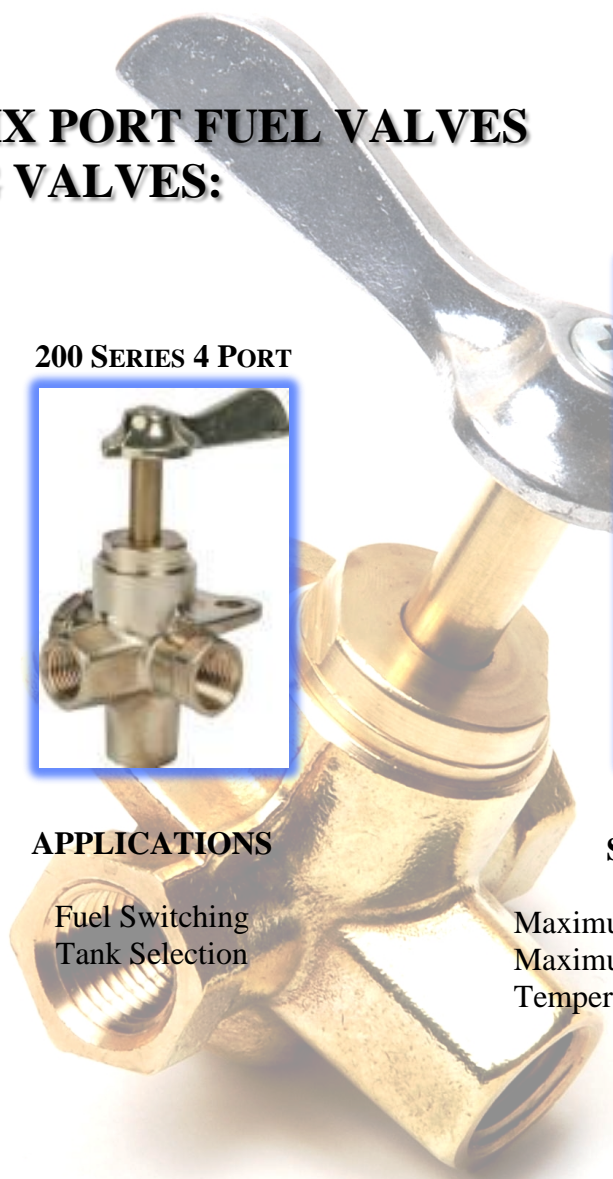
Fuel Switching
Tank Selection

SK1036 SIX PORT

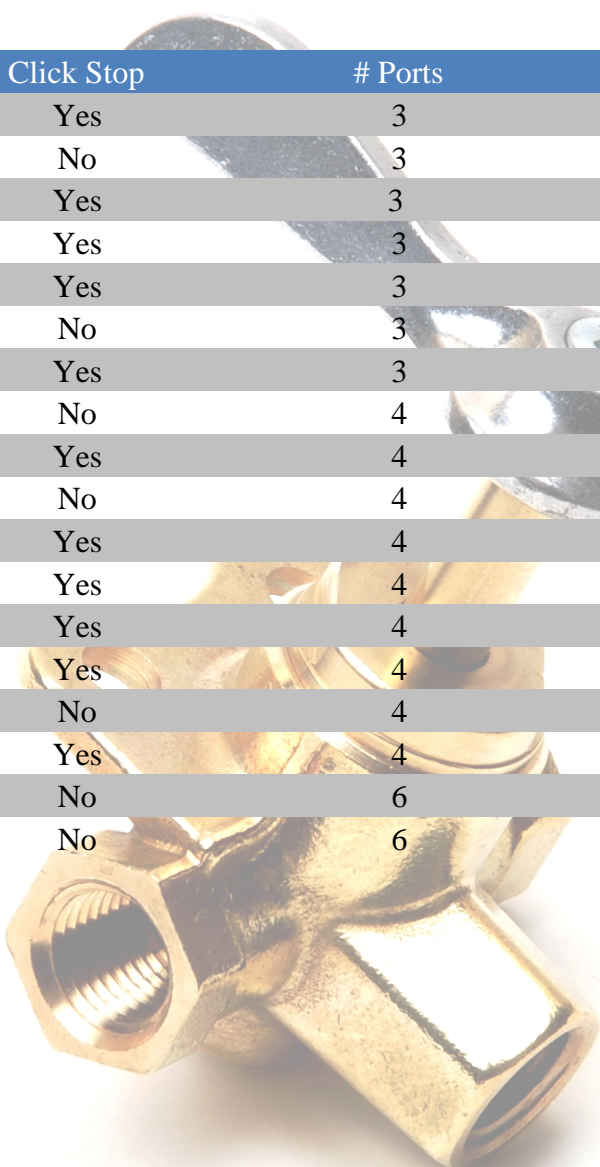


SERVICE CONDITIONS

Maximum Pressure : 30 PSIG on 100/200
Maximum Pressure : 15 PSIG on SK1036
Temperature: -40F to +180 F



Part Number	Port Size	Click Stop	# Ports	Stem Length
210C-J	1/8" F NPTF	Yes	3	1 3/8"
110C-L	1/4" F NPTF	No	3	1 3/8"
210C-L	1/4" F NPTF	Yes	3	1 3/8"
210C-LS	1/4" F NPTF	Yes	3	3/4"
210C-LM	1/4" F NPTF	Yes	3	2 3/8"
110C-N	3/8" F NPTF	No	3	1 3/8"
210C-N	3/8" F NPTF	Yes	3	1 3/8"
100C-L	1/4" F NPTF	No	4	1 3/8"
200C-L	1/4" F NPTF	Yes	4	1 3/8"
100C-N	3/8" F NPTF	No	4	1 3/8"
200C-N	3/8" F NPTF	Yes	4	1 3/8"
205C-L	1/4" F NPTF	Yes	4	2 3/8"
205C-N	3/8" F NPTF	Yes	4	2 3/8"
215C-L	1/4" F NPTF	Yes	4	3 3/4"
115C-N	3/8" F NPTF	No	4	3 3/4"
215C-N	3/8" F NPTF	Yes	4	3 3/4"
SK 1031	1/2" x 3/8" F NPTF	No	6	5/16"
SK 1036	1/2" x 3/8" F NPTF	No	6	13/16"



MANIFOLD VALVES:

GAGE MANIFOLD



This custom built manifold utilizes two gage port valves plus a push button sampling / relief valve. The entire assembly is designed to fit the end users panel with precise spacing of all components. This application also incorporates a check valve to prevent back flow.

Gages can be custom built to provide specific readings . They can also be customized with the customers Logo.

Please contact us with your requirements for manifolds that are both dependable and cost effective.

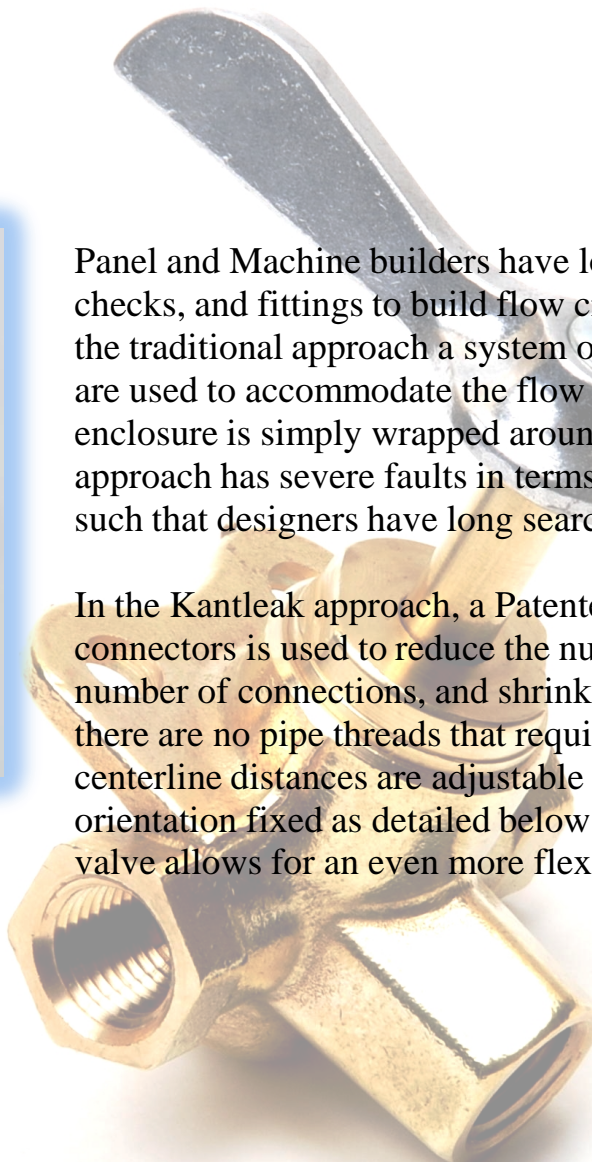


3 VALVE MANIFOLD



Panel and Machine builders have long used a system of valves, checks, and fittings to build flow circuitry into their unit designs. In the traditional approach a system of standardized valves and fittings are used to accommodate the flow path and the unit panel and enclosure is simply wrapped around the system! The traditional approach has severe faults in terms of leaks and design flexibility such that designers have long searched for viable alternatives.

In the Kantleak approach, a Patented system of valves and adjustable connectors is used to reduce the number of leak paths, reduce the number of connections, and shrink the over-all package. In addition there are no pipe threads that require finesse during fit-up. The centerline distances are adjustable while keeping valve and gauge orientation fixed as detailed below. In addition a side gage port ball valve allows for an even more flexible and smaller package



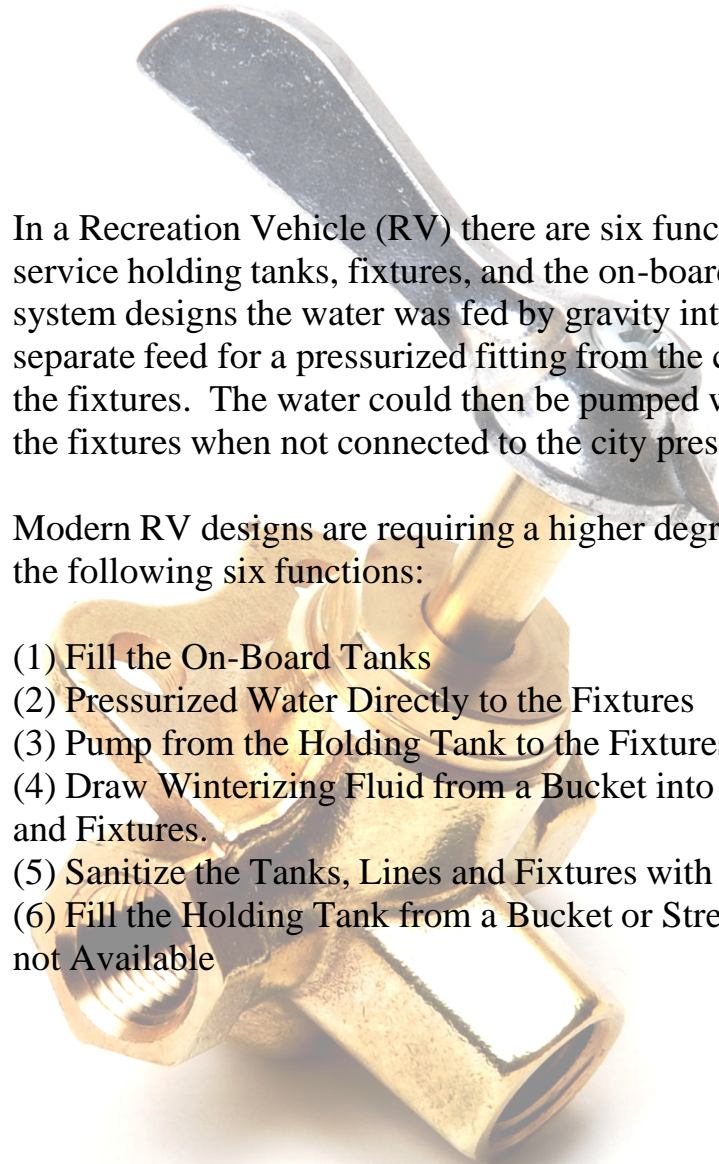
R V WATER MANAGEMENT MANIFOLD



In a Recreation Vehicle (RV) there are six functions that are desired to service holding tanks, fixtures, and the on-board pump. In previous RV system designs the water was fed by gravity into the holding tank with a separate feed for a pressurized fitting from the city water tap directly to the fixtures. The water could then be pumped with the onboard pump to the fixtures when not connected to the city pressure fitting.

Modern RV designs are requiring a higher degree of functionality with the following six functions:

- (1) Fill the On-Board Tanks
- (2) Pressurized Water Directly to the Fixtures
- (3) Pump from the Holding Tank to the Fixtures
- (4) Draw Winterizing Fluid from a Bucket into the Holding Tank, Lines and Fixtures.
- (5) Sanitize the Tanks, Lines and Fixtures with the On-Board Pump
- (6) Fill the Holding Tank from a Bucket or Stream when City Pressure is not Available



CHECK VALVES: 740 & 750 SERIES



FEATURES / BENEFITS

- Self Centering Seal Design
- O-Ring Soft Seat / Metal Back Up Seat
- Zero Leakage
- Made in USA
- 1/3 PSI Cracking Pressure Standard
- Optional Cracking Pressures Available

APPLICATION

Unidirectional Flow Applications

SERVICE CONDITIONS

Maximum Pressure 1500 PSI
 -40 F to 300 F (Standard)
 -40 F to 400 F (Special)

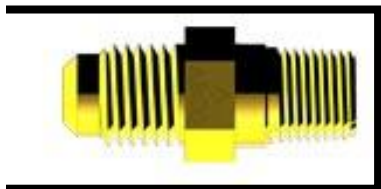


741CV



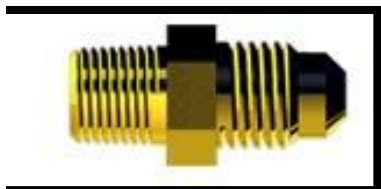
Size	End Connection	Part Number
1/8"	MPTF x MPTF	741CV-JxJ

745CV



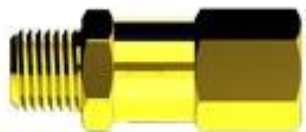
Size	End Connection	Part Number
1/4"	1/4" FLARE x 1/8" MPTF	745CV-4J

745CV



Size	End Connection	Part Number
1/4"	1/8" MPTF x 1/4" FLARE	745CV-J4

750CV1



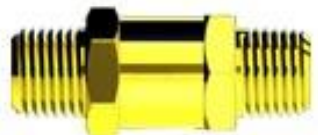
Size	Part Number
1/8"	750CV1-JxJ
1/4"	750CV1-LxL
3/8"	750CV1-NxN
1/2"	750CV1-PxP

750CV2



Size	Part Number
1/8"	750CV2-JxJ
1/4"	750CV2-LxL
3/8"	750CV2-NxN
1/2"	750CV2-PxP

751CV



Size	Part Number
1/8"	751CV-JxJ
1/4"	751CV-LxL
3/8"	751CV-NxN
1/2"	751CV-PxP



752CV



Size	Part Number
1/8"	752CV-JxJ
1/4"	752CV-LxL
3/8"	752CV-NxN
1/2"	752CV-PxP



PUSH BUTTON VALVES



FEATURES / BENEFITS

Forged Brass Body
Instant On & Off
Multiple O-ring Options
Made in USA
90 Degree Configuration

APPLICATIONS

Sampling Valve
Pressure Relief
Holds Vacuum
Valve Injection
Drain Valve

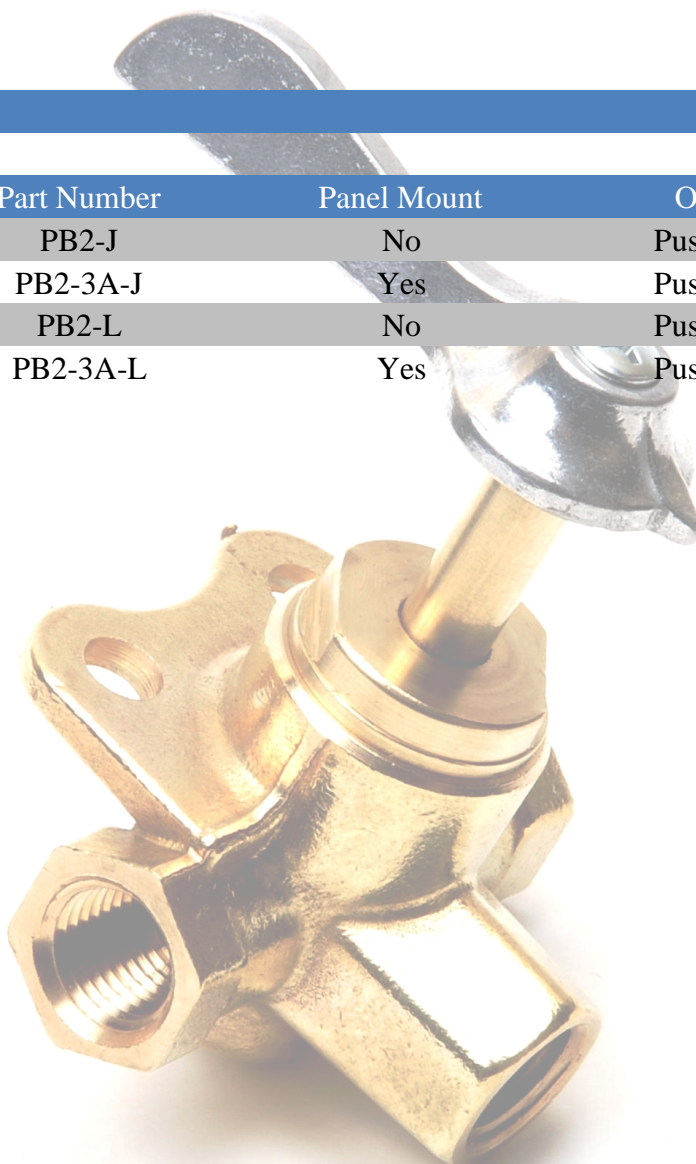
SERVICE CONDITIONS

Maximum Pressure : 500 PSIG
Temperature: -40 F to + 300 F (Standard)
-40 F to + 400 F (Special)



PB2

Size	End Connection	Part Number	Panel Mount	Operator
1/8"	F NPTF x F NPTF	PB2-J	No	Push Button
1/8"	F NPTF x F NPTF	PB2-3A-J	Yes	Push Button
1/4"	F NPTF x F NPTF	PB2-L	No	Push Button
1/4"	F NPTF x F NPTF	PB2-3A-L	Yes	Push Button



STRAINER VALVES



FEATURES / BENEFITS

Forged Brass Body
70 x 80 Monel Mesh Screens
90 Degree Configuration
Made in USA

APPLICATIONS

Filtration
Sediments
Refrigerants

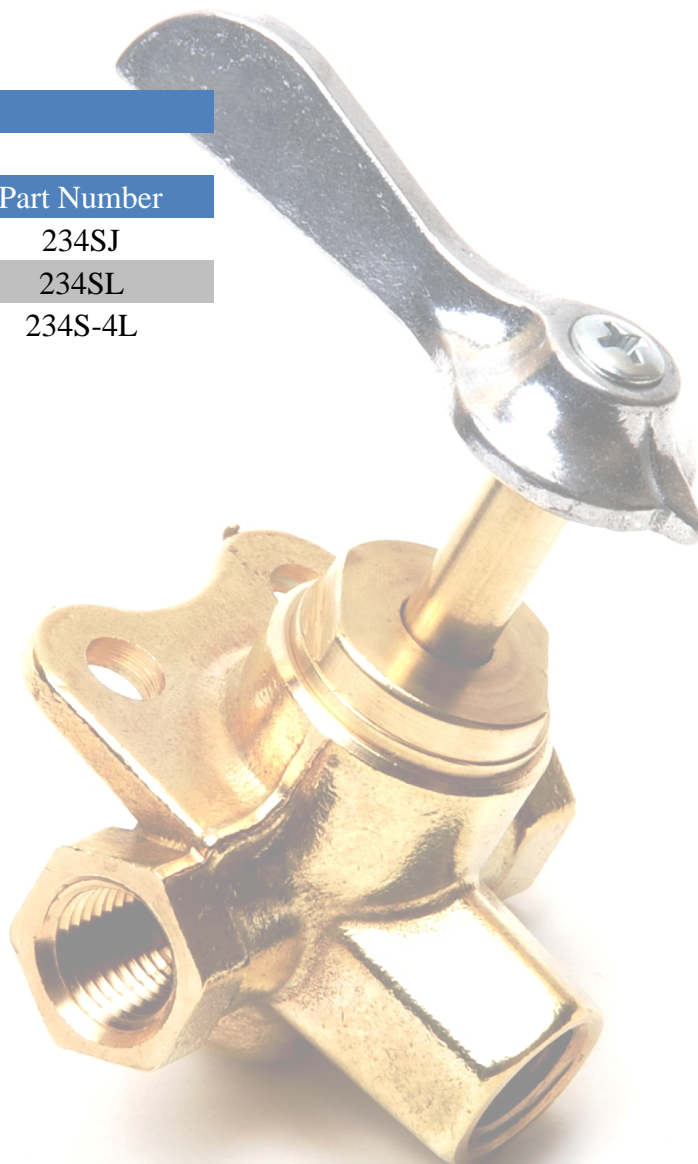
SERVICE CONDITIONS

Maximum Pressure : 500 PSIG
Temperature: -40 F to + 300 F (Standard)
-40 F to + 400 F (Special)

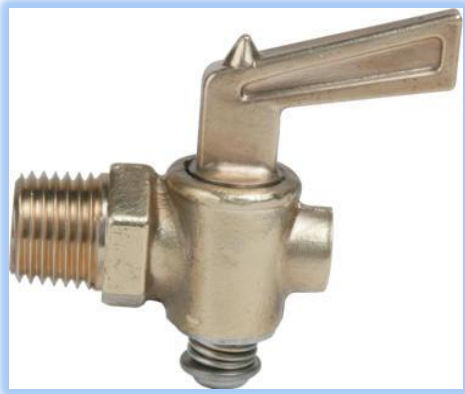


2348

Size	End Connection	Part Number
1/8"	F NPTF x F NPTF	234SJ
1/4"	F NPTF x F NPTF	234SL
1/8"	F NPTF x 1/4" Flare	234S-4L



BRASS DRAIN VALVES



FEATURES / BENEFITS

Forged Brass Body
Plug Style Valve
Economical Tight Shut Off
Made in USA

APPLICATION

In Line Shut Off
Air Drain
Drain Valves

SERVICE CONDITIONS

Maximum Pressure : 30 PSIG
Maximum Pressure: H Series 150 PSI
Temperature: -20 F to +250 F



30C



Size	Part Number
1/8"	30C-J
1/4"	30C-L
3/8"	30C-N
1/2"	30C-P

31C



Size	Part Number
1/8"	31C-J
1/4"	31C-L
3/8"	31C-N
1/2"	31C-P

H30C



Size	Part Number
1/8"	H30C-J
1/4"	H30C-L



H35C

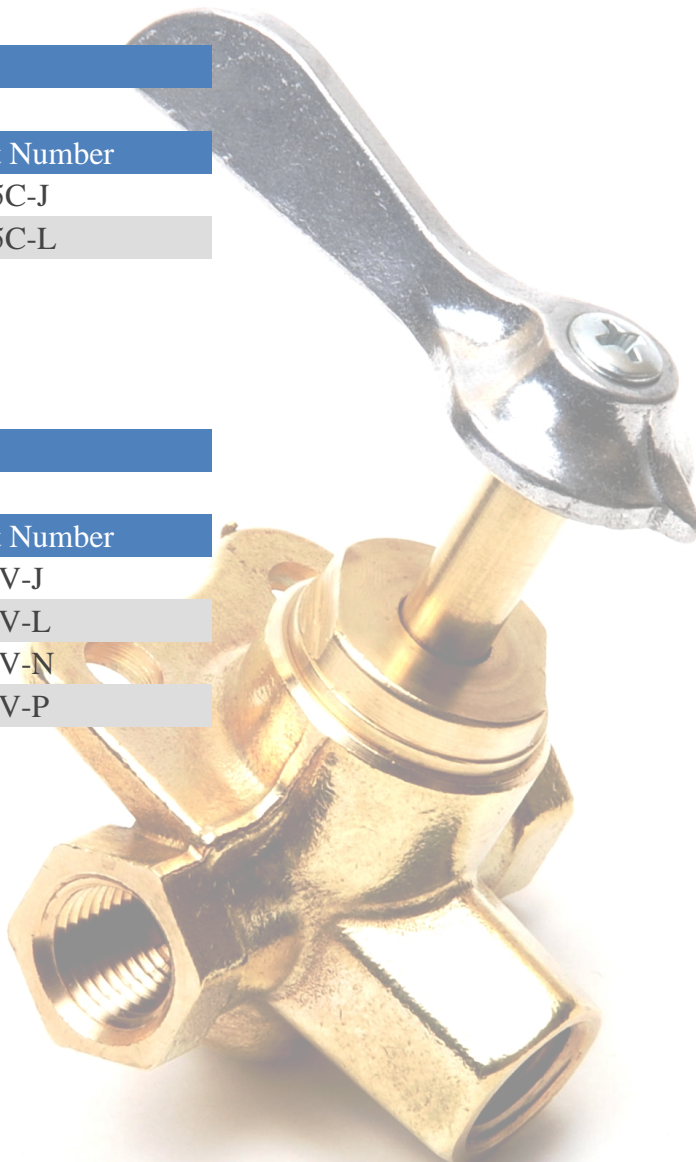


Size	Part Number
1/8"	H35C-J
1/4"	H35C-L

247V



Size	Part Number
1/8"	247V-J
1/4"	247V-L
3/8"	247V-N
1/2"	247V-P



MARINE FUEL SHUT OFF VALVES



FEATURES / BENEFITS

Forged Brass Body
Plug Style Valve
UL Approved for Marine Usage
Made in USA

APPLICATION

Fuel Lines
Tank Isolation
Drain Valves

SERVICE CONDITIONS

Maximum Pressure : 30 PSIG
Temperature: -20 F to +250 F



M670C



Left Port	Right Port	Part Number	UL Approved
1/8" F NPTF	1/8" M NPTF	M670C-J	Yes
1/4" F NPTF	1/4" M NPTF	M670C-L	Yes
3/8" F NPTF	3/8" M NPTF	M670C-N	Yes

M671C



Left Port	Right Port	Part Number	UL Approved
1/8" M NPTF	1/8" M NPTF	M671C-J	Yes
1/4" M NPTF	1/4" F NPTF	M671C-L	Yes

M672C



Left Port	Right Port	Part Number	UL Approved
1/8" F NPTF	1/8" F NPTF	M672C-J	Yes
1/4" F NPTF	1/4" F NPTF	M672C-L	Yes
3/8" F NPTF	3/8" F NPTF	M672C-N	Yes

M675C

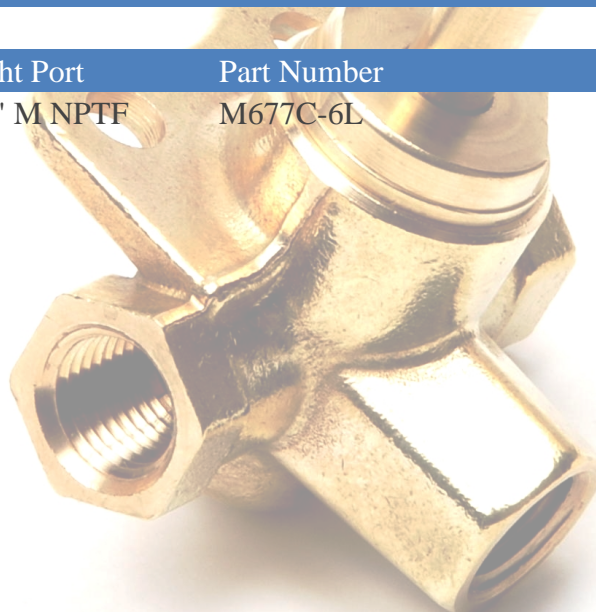


Left Port	Right Port	Part Number	UL Approved
3/8" TUBE	1/4" M NPTF	M675C-6L	Yes
3/8" TUBE	3/8" M NPTF	M675C-6N	Yes

M677C



Left Port	Right Port	Part Number	UL Approved
3/8" HOSE BIB	1/4" M NPTF	M677C-6L	Yes



130 & H130 SPRING BOTTOM SHUT OFF VALVES



FEATURES / BENEFITS

Forged Brass Body
Plug Style Valve
Economical Tight Shut Off
Made in USA

APPLICATION

In Line Shut Off
Air Lines / Water Lines
Drain Valves

SERVICE CONDITIONS

Maximum Pressure : 30 PSIG
Maximum Pressure: H Series 150 PSI
Temperature: -20 F to +250 F

130C



Size	Part Number
1/8"	130C-J
1/4"	130C-L
3/8"	130C-N

131C



Size	Part Number
1/8"	131C-J
1/4"	131C-L
3/8"	131C-N

132C



Size	Part Number
1/8"	132C-J
1/4"	132C-L
3/8"	132C-N



133C



Size	Part Number
1/4" x 1/8"	133C-4J
1/4" x 1/4"	133C-4L
5/16" x 1/8"	133C-5J
5/16" x 1/4"	133C-5L
3/8" x 1/4"	133C-6L
3/8" x 3/8"	133C-6N

134C

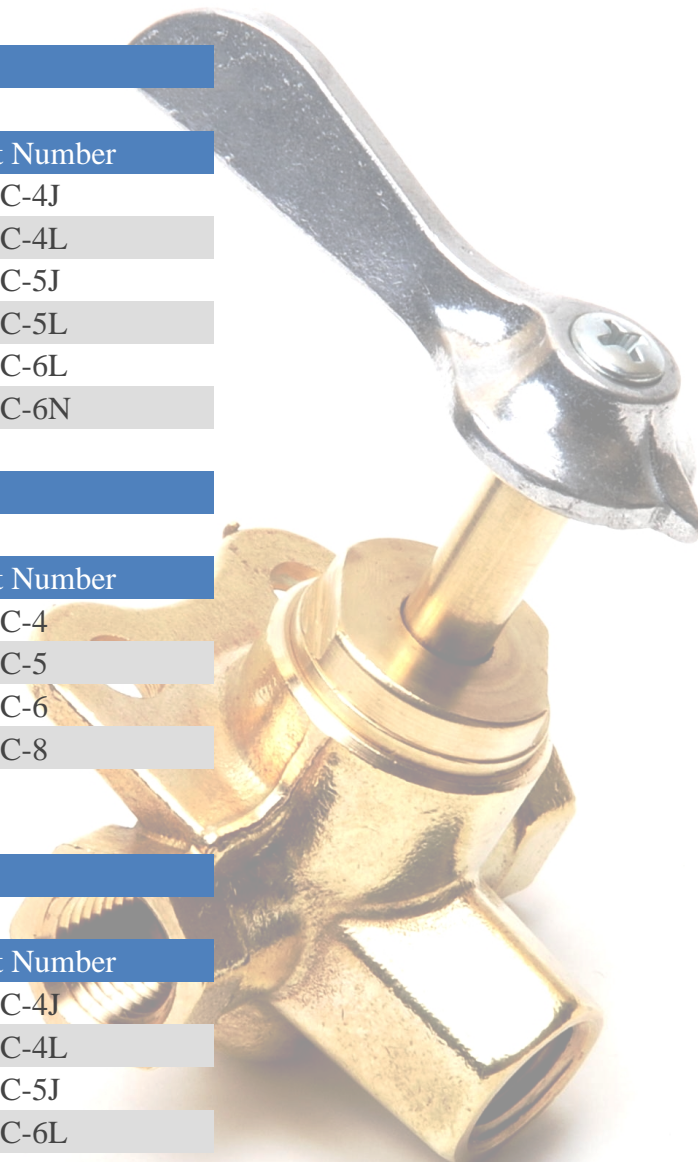


Size	Part Number
1/4" x 1/4"	134C-4
5/16" x 5/16"	134C-5
3/8" x 3/8"	134C-6
1/2" x 1/2"	134C-8

135C



Size	Part Number
1/4" x 1/8"	135C-4J
1/4" x 1/4"	135C-4L
5/16" x 1/8"	135C-5J
3/8" x 1/4"	135C-6L
1/2" x 3/8"	135C-8N



136C



Size	Part Number
1/4" x 1/4"	136C-4
5/16" x 5/16"	136C-5
3/8" x 3/8"	136C-6
1/2" x 1/2"	136C-8

138C



Size	Part Number
1/4" x 1/8"	138C-6P
1/4" x 1/4"	138C-8P

H130C



Size	Part Number
1/4" x 1/8"	H130C-L



H131C



Size	Part Number
1/4" x 1/8"	H131C-L

H132C



Size	Part Number
1/4" x 1/8"	H132C-L



RV FOUR FUNCTION FILL STATION



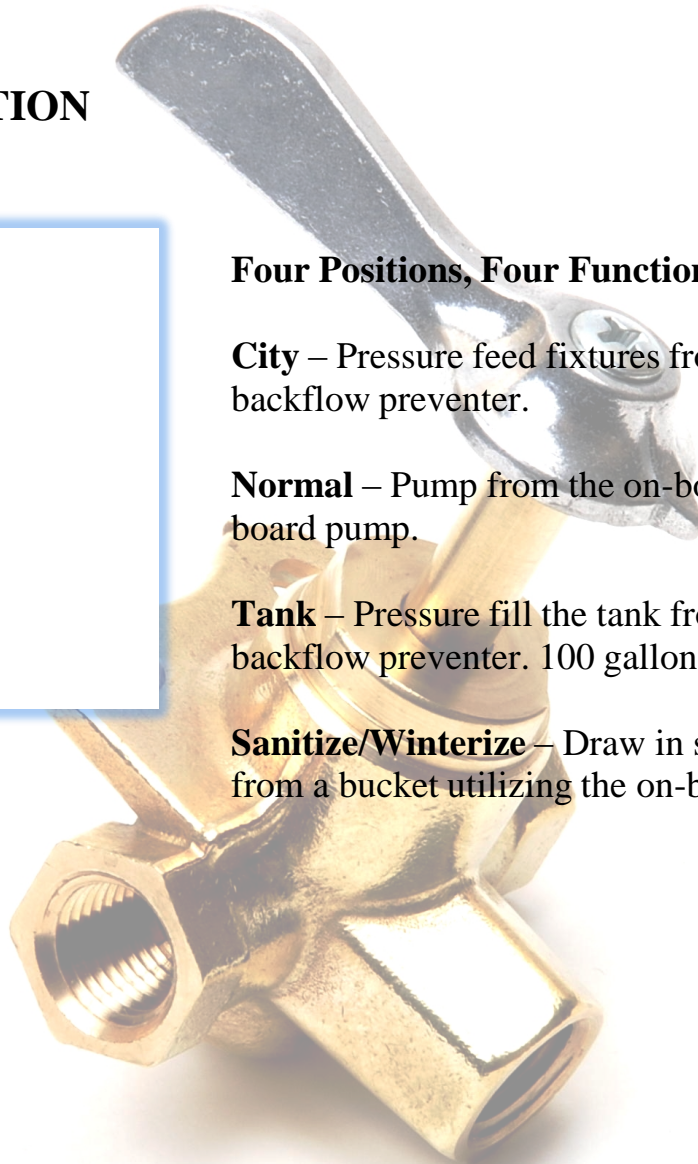
Four Positions, Four Functions

City – Pressure feed fixtures from 3/4" hose connection on backflow preventer.

Normal – Pump from the on-board tank to the fixtures using on-board pump.

Tank – Pressure fill the tank from 3/4" hose connection at backflow preventer. 100 gallons in 7 minutes.

Sanitize/Winterize – Draw in sanitizers and winterizing fluids from a bucket utilizing the on-board pump.





Modern RV design requires a high degree of functionality combined with simple operational elegance. The 200 RV provides exactly that. A single valve with internal porting simplifies the customer interface with a four position handle that fulfills all the functions shown below:

OPERATING CONDITIONS/FEATURES:

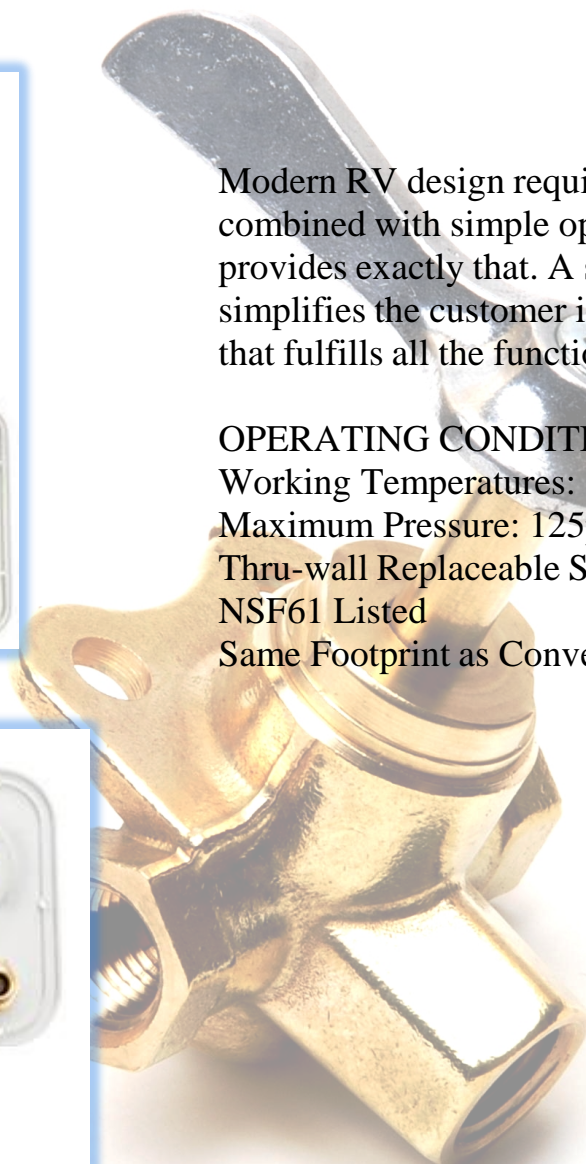
Working Temperatures: - 200 to + 1200 F

Maximum Pressure: 125psig

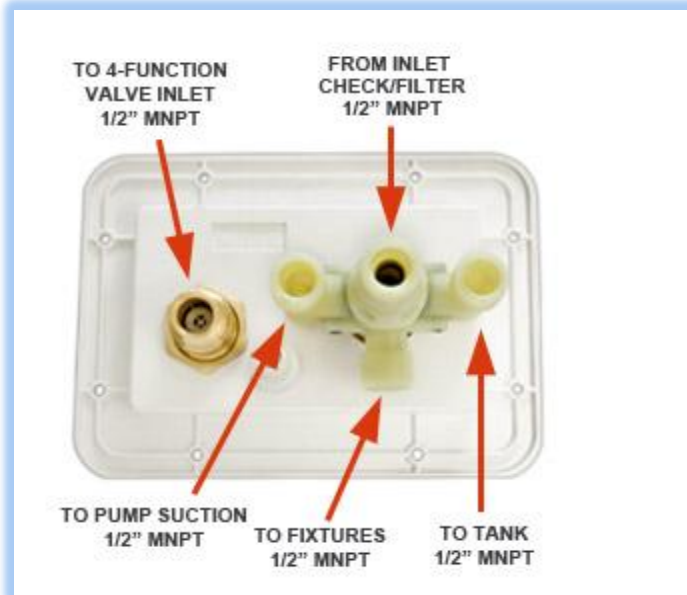
Thru-wall Replaceable Seals

NSF61 Listed

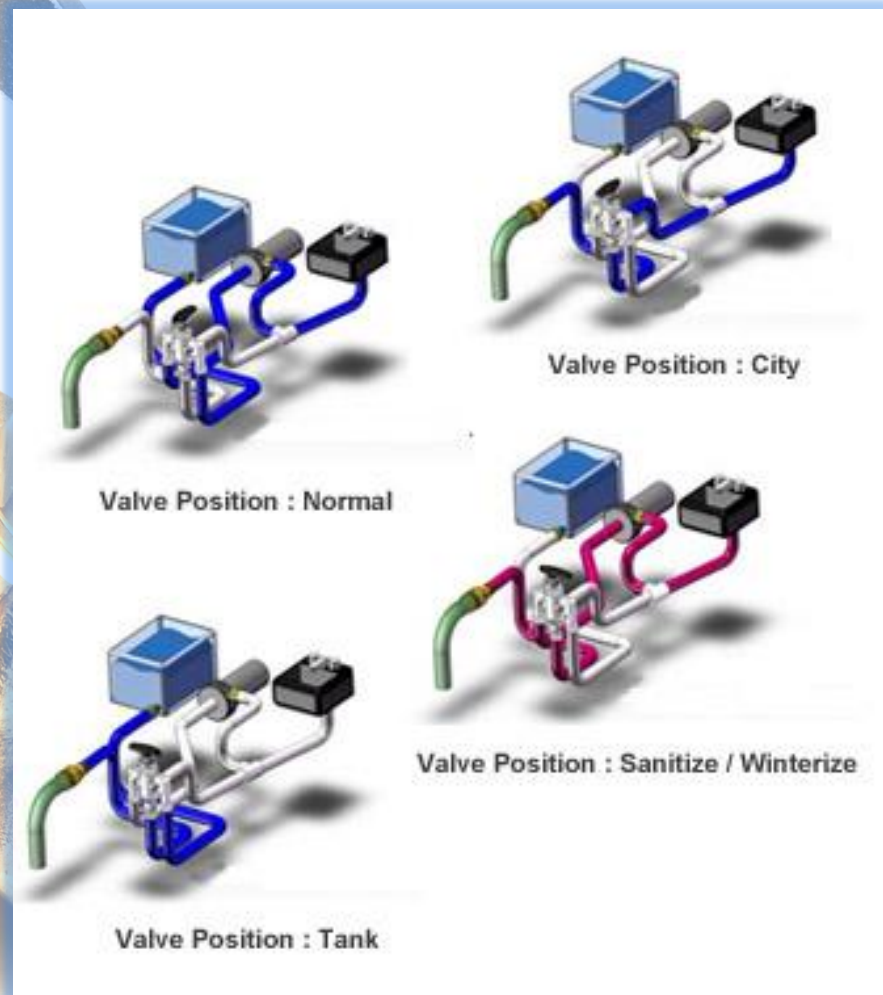
Same Footprint as Conventional System



The 200 RV fill station handles all functions with one unique valve and one hose connection. This reduces engineering, assembly and installation time. It also provides a more satisfying and trouble-free experience for the RV owner.



Four applications in one unit



RV: 4 WAY WATER HEATER BYPASS VALVE



4 Way Heater Bypass Valve

Our all-brass 4-way ball valve with NPT threaded connections creates the ideal RV water heater bypass with just one valve. Fewer valves means lower installed cost and fewer potential leak paths. High quality means more reliability and long service life.

FEATURES:

Made in the USA

1/2" MNPT

Corrosion Resistant

Single Valve - 2 Position Bypass

OPERATING CONDITIONS:

Working Temperature: -30 to +160 F

Maximum Pressure: 125psi



RV: WATER INLET BACKFLOW CHECK VALVE

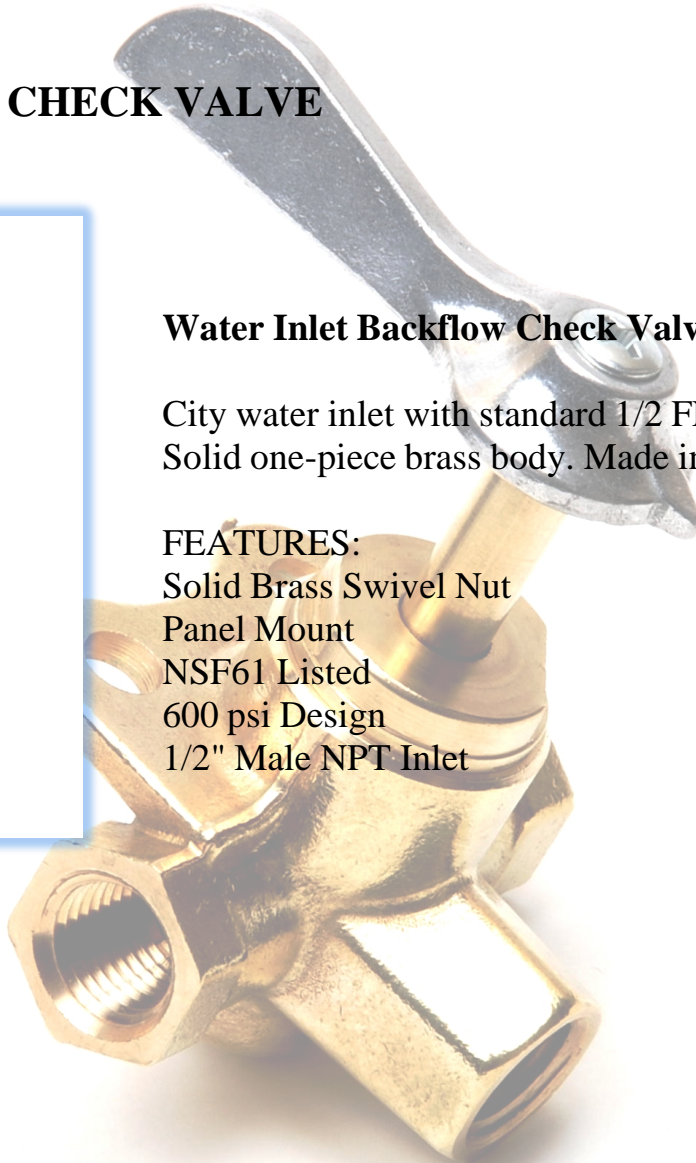


Water Inlet Backflow Check Valve

City water inlet with standard 1/2 FNPT hose connection. Solid one-piece brass body. Made in the USA.

FEATURES:

- Solid Brass Swivel Nut
- Panel Mount
- NSF61 Listed
- 600 psi Design
- 1/2" Male NPT Inlet



RV: 247VP-R RV HOT WATER TANK DRAIN VALVE



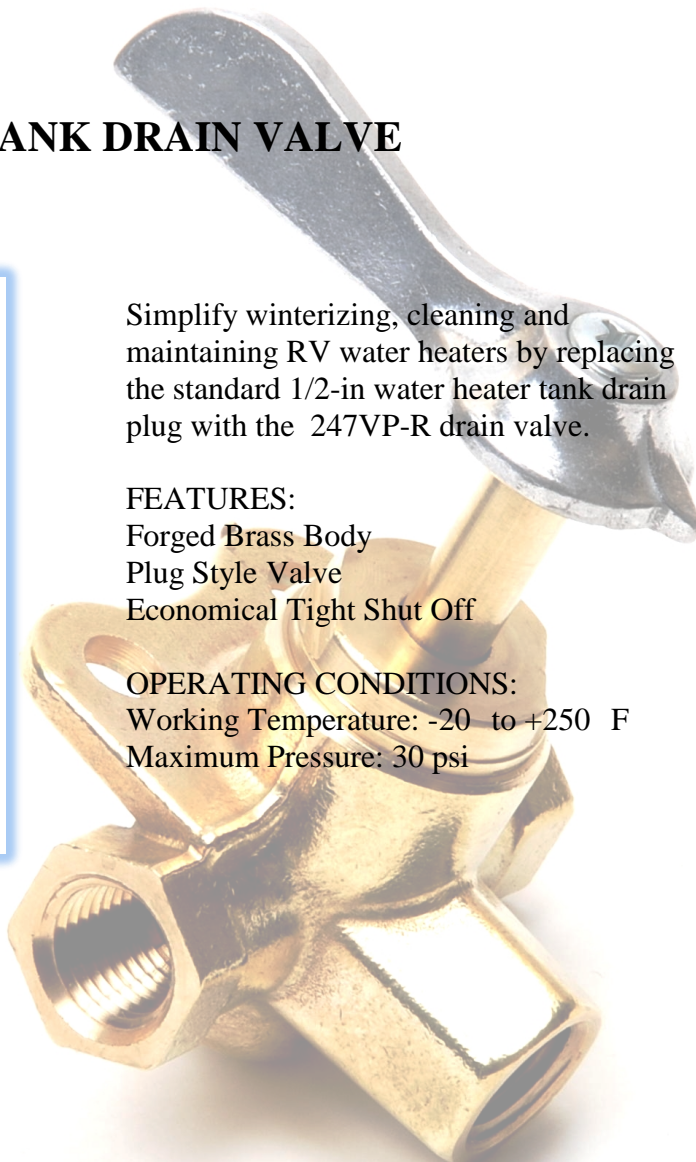
Simplify winterizing, cleaning and maintaining RV water heaters by replacing the standard 1/2-in water heater tank drain plug with the 247VP-R drain valve.

FEATURES:

- Forged Brass Body
- Plug Style Valve
- Economical Tight Shut Off

OPERATING CONDITIONS:

- Working Temperature: -20 to +250 F
- Maximum Pressure: 30 psi



RV: 352-BRV-PEX 2 WAY RV DRAIN VALVE



This 2-way ball valve with integral PEX Barbs is ideal for RV drain and isolation applications in 1/2" lines.

FEATURES:

Integral Pex Barbs
Brass Body

Teflon R Seals

OPERATING CONDITIONS:

Working Temperature: -30 to +160 F

Maximum Pressure: 600 psi

Replace leaky plastic RV drain valves with something more substantial. The 352-BRV-PEX 2-Way RV Drain Valve is made from solid brass in the USA, reducing valve failures. It provides an operating temperature range up to 160 F. Teflon seals inside prevent leaks and promote easy quarter-turn operation.

