



# Food Grade - FR Series Regulators

HydroMode™ FR Series Food Grade Regulators are compact units that provide economical, high performance pressure regulation of drinkable water. The highly sensitive diaphragm-operated design delivers accurate downstream pressure and the molded rubber supply valve provides precise regulation while helping to prevent leakage. Materials in contact with water are approved by National Sanitation Foundation (NSF) or the Food and Drug Administration (FDA) for use in potable water systems. All elastomers used in their construction are food grade.



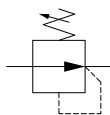
FR-827

## Features

- NSF electrodeposited chromium plated zinc body
- FDA acetal bonnet, valve seat
- Food grade nitrile/nylon diaphragm, O-ring
- Lead-free brass and food grade nitrile valve plug
- Mounting by pipe or bracket and panel mountable (with optional panel nut)
- (2) 1/8" NPT gauge ports
- 1/8" and 1/4" NPT ports
- Made in the USA



Mounting bracket not included.



Regulator

FR Series Regulators							
Part No.	Price	Weight (lbs)	Port Size (FNPT)	Fluid	Flow Capacity	Operating Pressure	Maximum Supply Pressure
FR-817	\$35.00	0.4	1/8"	Water	2.2 gal/min	0-100 psi (0-0.69 MPa) (0-6.9 bar)	150psi (1.03 MPa) (10.5 bar)
FR-827	\$35.00	0.4	1/4"				

Note: A filter (40 micron or less) is recommended ahead of regulator.

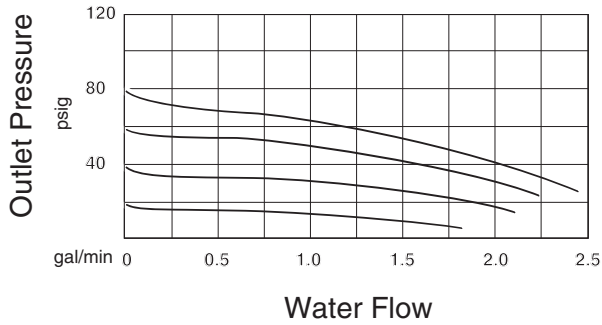


# Food Grade - FR Series Regulators

## Performance Charts

FR-X

1/4" NPT Port, 0-100 psig Range, 100 psig Supply;  
Flows for Outputs of 20, 40, 60, & 80 psig

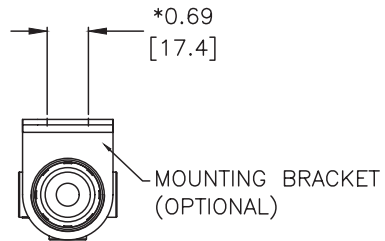


## Dimensions

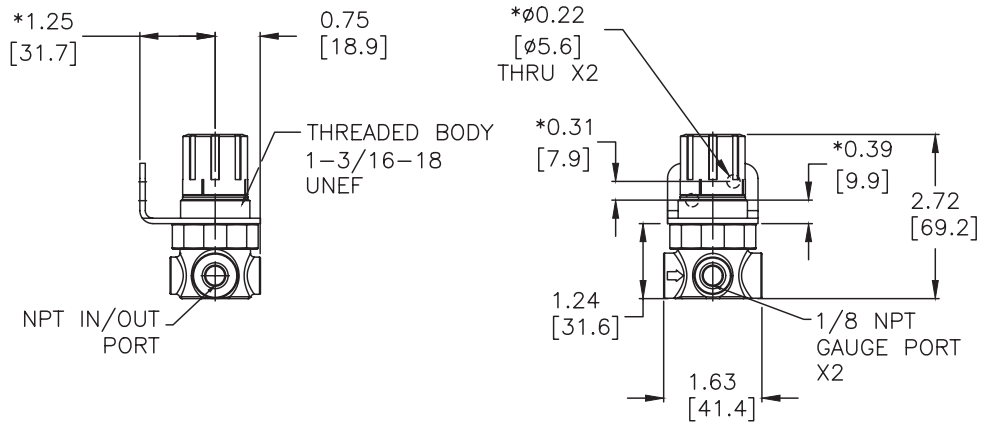
Inches [mm]

FR-X

PART NUMBER	INLET/OUTLET PORT
FR-817	1/8 NPT
FR-827	1/4 NPT



\*DIMENSIONS WITH OPTIONAL BRACKET



See our Web site [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.

## Accessories



FBKT-8A



FN-8

Food Grade FR Series Accessories				
Part No.	Price	Description	Material	Weight (lbs)
<b>FBKT-8A</b>	Retired	HydroMode mounting bracket, for use with FR-8 series water regulators.	Plated Steel	0.1
<b>FN-8</b>	\$2.50	HydroMode panel nut, 1-3/16-18 UNEF threads. For use with FR-8 series water regulators.	Acetal	0.1



# 201 Series Water Valves (Nylon 6)



GC Valves 201 Series water valves are an excellent choice for potable water applications where supply pressure can drop to zero, such as emptying a tank. These valves are certified to NSF/ANSI 61 and have Nylon 6 bodies and NSF approved EPDM diaphragms. Ported for 3/8, 1/2 or 3/4 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC solenoids.

## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 3/8", 1/2" or 3/4" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options



Made  
in the  
USA

201 Series Water Valve								
Model	NS201YF02CPCDG4	NS201YF02CPEG5	NS201YF24CPCG4	NS201YF24CPDG4	NS201YF24CPEG5	NS201YF16CPCG4	NS201YF16CPDG4	NS201YF16CPEG5
Price	\$180.00	\$181.00	\$180.00	\$180.00	\$181.00	\$180.00	\$180.00	\$181.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lbs)	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.1
Valve Type	2-Ports (2-way), 2-position							
Acting	Piloted diaphragm, normally closed							
Port Size	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"
Cv	4.3	6.7	4.3	4.3	6.7	4.3	4.3	6.7
Media	Water							
Pressure Range	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-90 psi	0-90 psi	0-90 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VDC	24VDC	24VDC
Inrush AC	54VA					-		
Power Consumption	10W							
Max Cycles per Minute**	15							
Insulation	Class N (200°C - 392°F)							
Min Response	25-100 ms					38-150 ms		
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)							
Lubrication	Not required							
Protection	NEMA 4/4X Encapsulated							
Connection	18mm (DIN 43650A) terminal							
Construction	Nylon 6 plastic body; NSF Approved EPDM seals; Stainless Steel pilot orifice							
Life Cycle	1 Million							
Agency Approvals*	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized							

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications



# 201 Series Water Valves (Stainless Steel)



GC Valves 201 Series water valves are an excellent choice for potable water applications where supply pressure can drop to zero, such as emptying a tank. These valves are certified to NSF/ANSI 61 and have 316 stainless steel bodies and NSF approved EPDM diaphragms. Ported for 1/2, 3/4, 1, 1-1/4 or 1-1/2 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC solenoids.

## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 1/2", 3/4", 1", 1-1/4" or 1-1/2" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Made  
in the  
USA

Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options

201 Series Water Valves							
Model	<a href="#">NS201YF02C7DG4</a>	<a href="#">NS201YF02C7EG5</a>	<a href="#">NS201YF02C7EG9</a>	<a href="#">NS201YF02C7GJ2</a>	<a href="#">NS201YF02C7HJ2</a>	<a href="#">NS201YF24C7DG4</a>	<a href="#">NS201YF24C7EG5</a>
Price	\$426.00	\$457.00	\$576.00	\$687.00	\$704.00	\$426.00	\$458.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lbs)	1.9	2.0	4.0	6.5	6.3	1.9	2.0
Valve Type	2-Ports (2-way), 2-position						
Acting	Piloted diaphragm, normally closed						
Port Size	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"	1-1/4"	5/8"	3/4"
Cv	4.3	6.7	11.0	18.0	23.0	4.3	6.7
Media	Water						
Pressure Range	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz
Inrush AC	54VA						
Power Consumption	10W						
Max Cycles per Minute**	15						
Insulation	Class N (200°C - 392°F)						
Min Response	25-100 ms						
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18mm (DIN 43650A) terminal						
Construction	316 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice						
Life Cycle	1 Million						
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized						

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications



# 201 Series Water Valves (Stainless Steel) Cont.





201 Series Water Valves Cont.					
Model	NS201YF16C7DG4	NS201YF16C7EG5	NS201YF16C7FG9	NS201YF16C7GJ2	NS201YF16C7HJ2
<b>Price</b>	\$426.00	\$457.00	\$578.00	\$688.00	\$705.00
<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<b>Weight (lbs)</b>	1.9	2.0	4.0	6.5	6.3
<b>Valve Type</b>	2-Ports (2-way), 2-position				
<b>Acting</b>	Piloted diaphragm, normally closed				
<b>Port Size</b>	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT
<b>Orifice Size</b>	5/8"	3/4"	1"	1-1/4"	1-1/4"
<b>Cv</b>	4.3	6.7	11.0	18.0	23.0
<b>Media</b>	Water				
<b>Pressure Range</b>	0-90 psi	0-90 psi	0-100 psi	0-100 psi	0-100 psi
<b>Voltage (± 10%)</b>	24VDC	24VDC	24VDC	24VDC	24VDC
<b>Inrush AC</b>	-				
<b>Power Consumption</b>	10W				
<b>Max Cycles per Minute**</b>	15				
<b>Insulation</b>	Class N (200°C - 392°F)				
<b>Min Response</b>	38-150 ms				
<b>Temperature</b>	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)				
<b>Lubrication</b>	Not required				
<b>Protection</b>	NEMA 4/4X Encapsulated				
<b>Connection</b>	18mm (DIN 43650A) terminal				
<b>Construction</b>	316 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice				
<b>Life Cycle</b>	1 Million				
<b>Agency Approvals</b>	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized				

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications







# 201 Series Water Valve Accessories

201 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b><u>KS201AF02G4-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending CG4 and DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.	\$89.00	0.4
	<b><u>KS201AF15G4-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending CG4 and DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.	\$89.00	0.4
	<b><u>KS201AF02G5-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.	\$89.00	0.4
	<b><u>KS201AF15G5-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.	\$89.00	0.4



# 201 Series Water Valve Accessories

201 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b><u>KS201AF02G9-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending G9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.	\$145.00	0.4
	<b><u>KS201AF02J2-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending J2, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.	\$146.00	0.4
	<b><u>KS201AF15G9-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending G9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.	\$145.00	0.4
	<b><u>KS201AF15J2-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending J2, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.	\$146.00	0.4



# 301 Series Water Valves (Stainless Steel)



**NS301YF24C3BC9**  
Valve Shown

GC Valves 301 Series water valves are an excellent choice for potable water applications up to 400psi. Valves have 303 stainless steel bodies with 1/4 inch NPT ports. They are available with three orifice sizes and solenoid voltages of 120VAC, 24VAC or 24VDC solenoids.

## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Direct acting operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 1/4" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options



Certified to  
NSF/ANSI 61



**Made  
in the  
USA**

301 Series Water Valves									
Model	NS301YF02C3BEZ	NS301YF02C3BD5	NS301YF02C3BC9	NS301YF24C3BEZ	NS301YF24C3BD5	NS301YF24C3BC9	NS301YF16C3BEZ	NS301YF16C3BD5	NS301YF16C3BC9
Price	\$119.00	\$118.00	\$118.00	\$119.00	\$118.00	\$118.00	\$119.00	\$118.00	\$118.00
Weight (lbs)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Valve Type	2-Ports (2-way), 2-position								
Acting	Direct acting, normally closed								
Port Size	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT
Orifice Size	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"
Cv	0.85	0.36	0.21	0.85	0.36	0.21	0.85	0.36	0.21
Media	Water								
Pressure Range	0-50 psi	0-200 psi	0-400 psi	0-50 psi	0-200 psi	0-400 psi	0-20 psi	0-140 psi	0-200 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VDC	24VDC	24VDC
Inrush AC	54VA						-		
Power Consumption	10W	10W	10W	10W	10W	10W	10W	10W	10W
Max Freq	Cannot be used in PWM (pulse width modulation) applications								
Insulation	Class N (200°C - 392°F)								
Min Response	5-15 ms						8-23 ms		
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)								
Lubrication	Not required								
Protection	NEMA 4/4X Encapsulated								
Connection	18mm (DIN 43650A) terminal								
Construction	303 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice								
Life Cycle	5 Million								
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized								

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



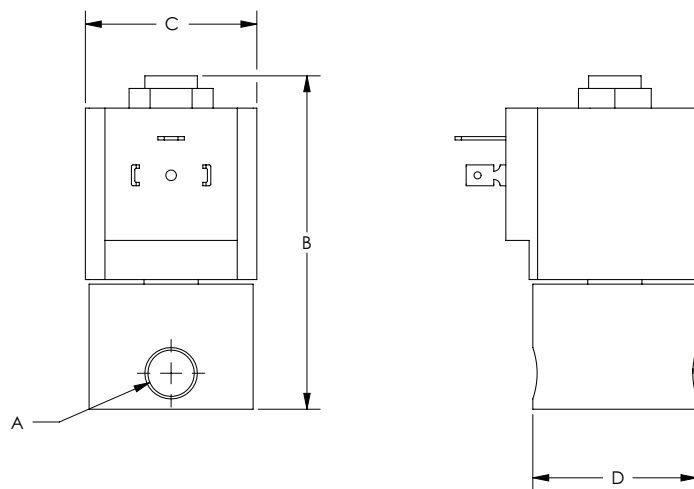


# 301 Series Water Valves (Stainless Steel)

## Dimensions

inches [mm]



301 Series Water Valve Dimensions				
Part No.	A	B	C	D
<a href="#">NS301YF02C3BE7</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF02C3BD5</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF02C3BC9</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF24C3BE7</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF24C3BD5</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF24C3BC9</a>	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF16C3BE7</a>	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF16C3BD5</a>	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]
<a href="#">NS301YF16C3BC9</a>	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# 301 Series Water Valve Accessories

301 Series Water Valve Accessories				
<i>Kit Photo</i>	<i>Part No.</i>	<i>Description</i>	<i>Price</i>	<i>Weight (lbs)</i>
	<b><u>KS301AF02E7-NSF</u></b>	GC Valves rebuild kit, for use with NS301 series valves ending BE7, includes plunger-seat disc-spring assembly, plunger tube, operator o-ring and body o-ring.	\$45.00	0.3
	<b><u>KS301AF02C3-NSF</u></b>	GC Valves rebuild kit, for use with NS301 series valves ending BC9 and BD5, includes plunger-seat disc-spring assembly, plunger tube, operator o-ring and body o-ring.	\$43.00	0.3



# 211 Series Water Valves (Nylon 6)

GC Valves 211 Series water valves are an excellent choice for potable water applications. These valves are certified to NSF/ANSI 61 and have Nylon 6 bodies and NSF approved EPDM diaphragms. Ported for 3/8, 1/2 or 3/4 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC solenoids.



## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- 18mm (DIN 43650A) style wiring plug
- 3/8", 1/2" or 3/4" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Made  
in the  
USA

Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options

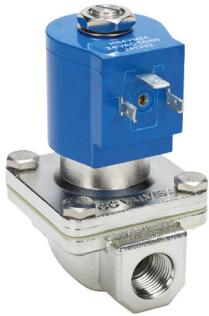
211 Series Water Valves								
Model	NS211YF02CPDG4	NS211YF02CPEG5	NS211YF24CPCG4	NS211YF24CPDG4	NS211YF24CPEG5	NS211YF16CPCG4	NS211YF16CPDG4	NS211YF16CPEG5
Price	\$136.00	\$148.00	\$120.00	\$122.00	\$148.00	\$136.00	\$136.00	\$148.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lbs)	0.9	1.0	0.9	0.9	1.0	0.9	0.9	1.0
Valve Type	2-Ports (2-way), 2-position							
Acting	Pilot diaphragm, normally closed							
Port Size	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"
Cv	4.3	6.7	4.3	4.3	6.7	4.3	4.3	6.7
Media	Water							
Pressure Range	4-150 psi	4-150 psi	4-150 psi	4-150 psi	4-150 psi	4-100 psi	4-100 psi	4-100 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VDC	24VDC	24VDC
Inrush AC	40VA					-		
Power Consumption	8W					10W		
Max Cycles per Minute**	15							
Insulation	Class N (200°C - 392°F)							
Min Response	25-100 ms					38-150 ms		
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)							
Lubrication	Not required							
Protection	NEMA 4/4X Encapsulated							
Connection	18mm (DIN 43650A) terminal							
Construction	Nylon 6 plastic body; NSF Approved EPDM seals; Stainless Steel pilot orifice							
Life Cycle	1 Million							
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized							

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications



# 211 Series Water Valves (Stainless Steel)



GC Valves 211 Series water valves are an excellent choice for potable water applications. These valves are certified to NSF/ANSI 61 and have 316 stainless steel bodies and NSF approved EPDM diaphragms. Ported for 1/2, 3/4, 1, 1-1/4 or 1-1/2 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC solenoids.

## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- 18mm (DIN 43650A) style wiring plug
- 1/2", 3/4", 1", 1-1/4", 1-1/2" or 2" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options



Made  
in the  
USA

211 Series Water Valves								
Model	NS211YF02C7DG4	NS211YF02C7EG5	NS211YF02C7FG9	NS211YF02C7GJ2	NS211YF02C7HJ2	NS211YF02C7JJ2	NS211YF24C7DG4	NS211YF24C7EG5
Price	\$344.00	\$351.00	\$520.00	\$626.00	\$648.00	\$740.00	\$394.00	\$407.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lbs)	1.8	1.9	3.8	6.5	6.3	9.5	1.8	1.9
Valve Type	2-ports (2-way), 2-position							
Acting	Pilot diaphragm, normally closed							
Port Size	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4 FNPT	1-1/2" FNPT	2" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"	1-1/4"	1-1/4"	5/8"	3/4"
Cv	4.3	6.7	13.0	19.0	25.0	28.0	4.3	6.7
Media	Water							
Pressure Range	4-150 psi	4-150 psi	5-150 psi	5-150 psi	5-150 psi	5-150 psi	4-150 psi	4-150 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz
Inrush AC	40VA							
Power Consumption	8W							
Max Cycles per Minute**	15							
Insulation	Class N (200°C - 392°F)							
Min Response	25-100 ms							
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)							
Lubrication	Not required							
Protection	NEMA 4/4X Encapsulated							
Connection	18mm (DIN 43650A) terminal							
Construction	316 Stainless Steel body; NSF Approved EPDM seals; Stainless Steel orifice							
Life Cycle	1 Million							
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized							

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications



# 211 Series Water Valves (Stainless Steel)


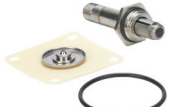

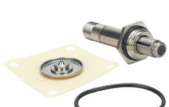
211 Series Water Valves						
Model	NS211YF16C7DG4	NS211YF16C7EG5	NS211YF16C7FG9	NS211YF16C7GJ2	NS211YF16C7HJ2	NS211YF16C7JJ2
<b>Price</b>	\$344.00	\$352.00	\$520.00	\$628.00	\$648.00	\$740.00
<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<b>Weight (lbs)</b>	1.8	1.9	3.8	6.5	6.3	9.5
<b>Valve Type</b>	2-ports (2-way), 2-position					
<b>Acting</b>	Pilot diaphragm, normally closed					
<b>Port Size</b>	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	2" FNPT
<b>Orifice Size</b>	5/8"	3/4"	1"	1-1/4"	1-1/4"	1-1/4"
<b>Cv</b>	4.3	6.7	13.0	19.0	25.0	28.0
<b>Media</b>	Water					
<b>Pressure Range</b>	4-100 psi	4-100 psi	5-150 psi	5-150 psi	5-150 psi	5-150 psi
<b>Voltage (± 10%)</b>	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
<b>Inrush AC</b>	-					
<b>Power Consumption</b>	10W		9W			
<b>Max Cycles per Minute**</b>	15					
<b>Insulation</b>	Class N (200°C - 392°F)					
<b>Min Response</b>	38-150 ms					
<b>Temperature</b>	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)					
<b>Lubrication</b>	Not required					
<b>Protection</b>	NEMA 4/4X Encapsulated					
<b>Connection</b>	18mm (DIN 43650A) terminal					
<b>Construction</b>	316 Stainless Steel body; NSF Approved EPDM seals; Stainless Steel orifice					
<b>Life Cycle</b>	1 Million					
<b>Agency Approvals</b>	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized					

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

\*\* Cannot be used in PWM (pulse width modulation) applications







# 211 Series Water Valve Accessories

211 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b><u>KS211AF02G4-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series AC valves ending CG4 and DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body o-ring and operator o-ring.	\$89.00	0.3
	<b><u>KS211AF15G4-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series DC valves ending CG4 and DG4, includes diaphragm assembly, plunger-seat disc-spring assembly, plunger tube, body o-ring and operator o-ring.	\$89.00	0.3
	<b><u>KS211AF02G5-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series AC valves ending EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body o-ring and operator o-ring.	\$89.00	0.3
	<b><u>KS211AF15G5-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series DC valves ending EG5, includes diaphragm assembly, plunger-seat disc-spring assembly, plunger tube, body o-ring and operator o-ring.	\$89.00	0.3





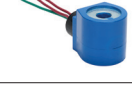
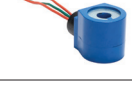










# 211 Series Water Valve Accessories

211 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b><u>KS211AF02G9-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series AC valves ending G9, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring.	\$99.00	0.4
	<b><u>KS211AF02J2-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series AC valves ending J2, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring.	\$102.00	0.4
	<b><u>KS211AF15G9-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series DC valves ending G9, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring.	\$99.00	0.4
	<b><u>KS211AF15J2-NSF</u></b>	GC Valves rebuild kit, for use with NS211 series DC valves ending J2, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring.	\$102.00	0.4



# GCV Valves Replacement Coils

Water Valve Accessory Coils									
Coil Photo	Part No.	Voltage Rating	Power Rating	Insulation	Connection	Cable Length	Fits Valve Series	Price	Weight (lbs)
	<a href="#"><u>HS4YN02</u></a>	120VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4YN04</u></a>	240VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4YN24</u></a>	24VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4YN16</u></a>	24VDC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4GN02A24</u></a>	120VAC	10W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4GN04A24</u></a>	240VAC	10W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4GN24A24</u></a>	24VAC	10W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S201, NS201, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS4GN16A24</u></a>	24VDC	10W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves	\$49.00	0.6
	<a href="#"><u>HS3YN02</u></a>	120VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211 and NS211 AC valves	\$41.00	0.5
	<a href="#"><u>HS3YN04</u></a>	240VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211 and NS211 AC valves	\$41.00	0.5
	<a href="#"><u>HS3YN24</u></a>	24VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211 and NS211 AC valves	\$41.00	0.5
	<a href="#"><u>HS3GN02A24</u></a>	120VAC	88W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S211 and NS211 AC valves	\$41.00	0.5
	<a href="#"><u>HS3GN04A24</u></a>	240VAC	8W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S211 and NS211 AC valves	\$41.00	0.5
	<a href="#"><u>HS3GN24A24</u></a>	24VAC	8W	Class H: 180°C (356°F)	1/2 in conduit 24in 18AWG pigtail	24.0 in	S211 and NS211 AC valves	\$41.00	0.5





**SPARTAN**  
SCIENTIFIC

# 3516 Series Valves



Part no. **3516-6Q001-BAB3C-A**



Part no. **3516-6Q001-BAB3B-A**

3516 series valves are 2-way, normally closed, solenoid diaphragm valves that offer the highest flow for overall size in their class. Low lead brass body and other wetted materials are suitable for potable water applications.

## Features

- Diaphragm operator
- Low lead brass body
- Port sizes 1/4, 3/8 or 1/2 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

3516 Series Solenoid Valves											
Part No.	Price	Ports	Cv	Min Pressure	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">3516-6Q001-BAB3C-A</a>	\$121.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	4.5	10 psi	180 psi	24VDC	18mm DIN style wiring plug	1.05	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">3516-6Q001-BAB7C-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAC3C-A</a>	\$121.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)				24VDC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAC7C-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAD3C-A</a>	\$121.00	1/2in female NPT inlet(s), 1/2in female NPT outlet(s)				24VDC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAD7C-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAB3B-A</a>	\$121.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)				24VDC	18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAB7B-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAC3B-A</a>	\$121.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)				24VDC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAC7B-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAD3B-A</a>	\$121.00	1/2in female NPT inlet(s), 1/2in female NPT outlet(s)				24VDC		1.05	<a href="#">PDF</a>		
<a href="#">3516-6Q001-BAD7B-A</a>	\$121.00					120VAC		1.05	<a href="#">PDF</a>		


**SPARTAN**  
 SCIENTIFIC

# 3516, 3825 and 3827 Series Valve Accessories

- Spartan Series Replacement Coils for use with 3516 Series Valves and higher flow versions of 3825 and 3825 Series Valves
- A variety of voltages are available for use in any valve: 12VDC, 24VDC, 24VAC, 120VAC and 220VAC
- Coils offered with either 18mm DIN plug or 18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)

Part no. **38310-01206-A**Part no. **38315-01206-A**Part no. **3516-0B-0001**

See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
 for a variety of cable options.

## 3516 Series Valve Accessories

Part No.	Price	Description	Weight (lbs)	Drawing Link	Vendor Insert	
<a href="#">38310-01206-A</a>	\$17.00	Spartan solenoid coil, 12 VDC, 6.5W, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>	N/A	
<a href="#">38310-02406-A</a>	\$17.00	Spartan solenoid coil, 24 VDC, 6.5W, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38310-02416-A</a>	\$17.00	Spartan solenoid coil, 24 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38310-12016-A</a>	\$17.00	Spartan solenoid coil, 120 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38310-22016-A</a>	\$17.00	Spartan solenoid coil, 220 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38315-01206-A</a>	\$21.00	Spartan solenoid coil, 12 VDC, 6.5W, 18in 22AWG pigtail. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38315-02406-A</a>	\$21.00	Spartan solenoid coil, 24 VDC, 6.5W, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38315-02416-A</a>	\$21.00	Spartan solenoid coil, 24 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38315-12016-A</a>	\$21.00	Spartan solenoid coil, 120 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">38315-22016-A</a>	\$21.00	Spartan solenoid coil, 220 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3516 series Spartan valves.	0.26	<a href="#">PDF</a>		
<a href="#">3516-0B-0001</a>	\$24.00	Spartan diaphragm, replacement, NBR. For use with 3516 series Spartan valves.	0.10	N/A		<a href="#">PDF</a>



**SPARTAN**  
SCIENTIFIC

# 3580 Series Valves



Part no. **3580-060-8217C-A**



Part no. **3580-060-8217B-A**

3580 series valves are 2-way, normally closed, diaphragm valves. The engineered composite body material and other wetted materials are suitable for potable water applications.

## Features

- Diaphragm operator
- Glass reinforced Nylon body
- Port sizes 1/4, 3/8 or 1/2 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

3580 Series Solenoid Valves											
Part No.	Price	Ports	Cv	Min Pressure	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">3580-060-8217C-A</a>	\$70.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	1.55	7 psi	150 psi	120VAC	11mm DIN style wiring plug	0.48	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">3580-060-8213C-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8227C-A</a>	\$70.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	1.95			120VAC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8223C-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8237C-A</a>	\$70.00	1/2in female NPT inlet(s), 1/2in female NPT outlet(s)	2.45			120VAC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8233C-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8217B-A</a>	\$70.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	1.55			120VAC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8213B-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8227B-A</a>	\$70.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	1.95			120VAC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8223B-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8237B-A</a>	\$70.00	1/2in female NPT inlet(s), 1/2in female NPT outlet(s)	2.45			120VAC		0.48	<a href="#">PDF</a>		
<a href="#">3580-060-8233B-A</a>	\$70.00					24VDC		0.48	<a href="#">PDF</a>		


**SPARTAN**  
 SCIENTIFIC

# 3580, 3525 & 3527 Series Valve Accessories

- Spartan Series Replacement Coils for use with 3580, 3525 and 3527 Series Valves
- A variety of voltages are available for use in any valve: 12VDC, 24VDC, 24VAC, 120VAC and 220VAC
- Coils offered with either 18mm DIN plug or 18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)

Part no. **38220-01206-A**Part no. **38225-01206-A**Part no. **3580-B1-0001**

See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
 for a variety of cable options.

## 3516 Series Valve Accessories

Part No.	Price	Description	Weight (lbs)	Drawing Link	Vendor Insert	
<a href="#"><u>38220-01206-A</u></a>	\$20.00	Spartan solenoid coil, 12 VDC, 6.5W, 11mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>	N/A	
<a href="#"><u>38220-02406-A</u></a>	\$20.00	Spartan solenoid coil, 24 VDC, 6.5W, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38220-02416-A</u></a>	\$20.00	Spartan solenoid coil, 24 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38220-12016-A</u></a>	\$20.00	Spartan solenoid coil, 120 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38220-22016-A</u></a>	\$20.00	Spartan solenoid coil, 220 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38225-01206-A</u></a>	\$24.00	Spartan solenoid coil, 12 VDC, 6.5W, 18in 22AWG pigtail. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38225-02406-A</u></a>	\$24.00	Spartan solenoid coil, 24 VDC, 6.5W, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38225-02416-A</u></a>	\$24.00	Spartan solenoid coil, 24 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38225-12016-A</u></a>	\$24.00	Spartan solenoid coil, 120 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>38225-22016-A</u></a>	\$24.00	Spartan solenoid coil, 220 VAC, 8.5 VA, 18mm DIN style wiring plug. For use with 3580, 3525 and 3527 series Spartan valves.	0.14	<a href="#">PDF</a>		
<a href="#"><u>3580-B1-0001</u></a>	\$27.00	Spartan diaphragm, replacement, NBR. For use with 3580 series Spartan valves.	0.10	N/A		<a href="#">PDF</a>



**SPARTAN**  
SCIENTIFIC

# 6100 Series Valves



Part no. **6100-6H001-AAB3C-A**



Part no. **6100-6H001-AAB3B-A**

6100 series valves are 2-way, normally closed, direct acting inline valves. This space-saving design with a low lead brass body and other wetted materials is suitable for potable water applications.

## Features

- Direct Acting Operator
- Low lead brass body
- Port size 1/4 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

6100 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">6100-6H001-AAB3C-A</a>	\$76.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	0.24	200 psi	24VDC	18mm DIN style wiring plug	0.50	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">6100-6J001-AAB3C-A</a>	\$76.00		0.31	120 psi			0.50	<a href="#">PDF</a>		
<a href="#">6100-6H001-AAB3B-A</a>	\$75.00		0.24	200 psi		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.50	<a href="#">PDF</a>		
<a href="#">6100-6J001-AAB3B-A</a>	\$75.00		0.31	120 psi			0.50	<a href="#">PDF</a>		
<a href="#">6100-6H001-AAB7C-A</a>	\$76.00		120VAC	0.24	255 psi	18mm DIN style wiring plug	0.50	<a href="#">PDF</a>		
<a href="#">6100-6J001-AAB7C-A</a>	\$76.00			0.31	150 psi		0.50	<a href="#">PDF</a>		
<a href="#">6100-6H001-AAB7B-A</a>	\$75.00			0.24	255 psi	18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.50	<a href="#">PDF</a>		
<a href="#">6100-6J001-AAB7B-A</a>	\$75.00			0.31	150 psi		0.50	<a href="#">PDF</a>		



**SPARTAN**  
SCIENTIFIC

# 6200 Series Valves



Part no. **6200-650-AAC7C-A**



Part no. **6200-650-AAC7B-A**

6200 series valves are 2-way, normally closed, direct acting valves. The engineered composite body material and other wetted materials are suitable for potable water applications.

## Features

- Direct Acting Operator
- Glass reinforced Nylon body
- Port sizes 1/8, 1/4 and 3/8 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

6100 Series Solenoid Valves											
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide	
<a href="#">6200-650-AAC7C-A</a>	\$55.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.31	250 psi	120VAC	18mm DIN style wiring plug	0.30	<a href="#">PDF</a>	PDF	PDF	
<a href="#">6200-650-AAC3C-A</a>	\$55.00			150 psi	24VDC		0.30	<a href="#">PDF</a>			
<a href="#">6200-660-AAA7C-A</a>	\$55.00	1/8in female NPT inlet(s), 1/8in female NPT outlet(s)	0.52	75 psi	120VAC		0.30	<a href="#">PDF</a>			
<a href="#">6200-660-AAA3C-A</a>	\$55.00			80 psi	24VDC		0.30	<a href="#">PDF</a>			
<a href="#">6200-670-AAB7C-A</a>	\$55.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	0.61	50 psi	120VAC		0.30	<a href="#">PDF</a>			
<a href="#">6200-670-AAB3C-A</a>	\$55.00				24VDC		0.30	<a href="#">PDF</a>			
<a href="#">6200-680-AAC7C-A</a>	\$55.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.72	40 psi	120VAC		0.30	<a href="#">PDF</a>			
<a href="#">6200-680-AAC3C-A</a>	\$55.00			30 psi	24VDC		0.30	<a href="#">PDF</a>			
<a href="#">6200-650-AAC7B-A</a>	\$54.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.31	250 psi	120VAC		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.30			<a href="#">PDF</a>
<a href="#">6200-650-AAC3B-A</a>	\$54.00			150 psi	24VDC			0.30			<a href="#">PDF</a>
<a href="#">6200-660-AAA7B-A</a>	\$54.00	1/8in female NPT inlet(s), 1/8in female NPT outlet(s)	0.52	75 psi	120VAC	0.30		<a href="#">PDF</a>			
<a href="#">6200-660-AAA3B-A</a>	\$54.00			80 psi	24VDC	0.30		<a href="#">PDF</a>			
<a href="#">6200-670-AAB7B-A</a>	\$54.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	0.61	50 psi	120VAC	0.30		<a href="#">PDF</a>			
<a href="#">6200-670-AAB3B-A</a>	\$54.00				24VDC	0.30		<a href="#">PDF</a>			
<a href="#">6200-680-AAC7B-A</a>	\$54.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.72	40 psi	120VAC	0.30		<a href="#">PDF</a>			
<a href="#">6200-680-AAC3B-A</a>	\$54.00			30 psi	24VDC	0.30		<a href="#">PDF</a>			



**SPARTAN**  
SCIENTIFIC

# 6222 Series Valves



Part no. [6222-6J001-AAB3C-A](#)



Part no. [6222-6J001-AAB3B-A](#)

6222 series valves are 2-way, normally closed, direct acting valves. The low lead brass body material and other wetted materials are suitable for potable water applications.

## Features

- Direct acting operator
- Low lead brass body
- Port sizes 1/8, 1/4 and 3/8 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

6222 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">6222-6J001-AAB3C-A</a>	\$70.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	0.31	150 psi	24VDC	18mm DIN style wiring plug	0.57	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">6222-6K001-AAB3C-A</a>	\$70.00		0.52	90 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAB3C-A</a>	\$70.00		0.61	60 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAB3C-A</a>	\$70.00		0.72	40 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAB3B-A</a>	\$69.00		0.31	150 psi		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAB3B-A</a>	\$69.00		0.52	90 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAB3B-A</a>	\$69.00		0.61	60 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAB3B-A</a>	\$69.00		0.72	40 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAA3C-A</a>	\$70.00	1/8in female NPT inlet(s), 1/8in female NPT outlet(s)	0.31	150 psi		18mm DIN style wiring plug	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAA3C-A</a>	\$70.00		0.52	90 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAA3C-A</a>	\$70.00		0.61	60 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAA3C-A</a>	\$70.00		0.72	40 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAA3B-A</a>	\$69.00		0.31	150 psi		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAA3B-A</a>	\$69.00		0.52	90 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAA3B-A</a>	\$69.00		0.61	60 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAA3B-A</a>	\$69.00		0.72	40 psi			0.57	<a href="#">PDF</a>		



**SPARTAN**  
SCIENTIFIC

# 6222 Series Valves

6222 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">6222-6J001-AAC3C-A</a>	\$70.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.31	150 psi	24VDC	18mm DIN style wiring plug	0.57	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">6222-6K001-AAC3C-A</a>	\$70.00		0.52	90 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAC3C-A</a>	\$70.00		0.61	60 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAC3C-A</a>	\$70.00		0.72	40 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAC3B-A</a>	\$69.00		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.31		150 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAC3B-A</a>	\$69.00			0.52		90 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAC3B-A</a>	\$69.00			0.61		60 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAC3B-A</a>	\$69.00			0.72		40 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAB7C-A</a>	\$70.00	1/4in female NPT inlet(s), 1/4in female NPT outlet(s)	0.31	270 psi	120VAC	18mm DIN style wiring plug	0.57	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">6222-6K001-AAB7C-A</a>	\$70.00		0.52	125 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAB7C-A</a>	\$70.00		0.61	80 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAB7C-A</a>	\$70.00		0.72	50 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAB7B-A</a>	\$69.00		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.31		270 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAB7B-A</a>	\$69.00			0.52		125 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAB7B-A</a>	\$69.00			0.61		80 psi	0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAB7B-A</a>	\$69.00			0.72		50 psi	0.57	<a href="#">PDF</a>		





**SPARTAN**  
SCIENTIFIC

# 6222 Series Valves

6222 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">6222-6J001-AAA7C-A</a>	\$70.00	1/8in female NPT inlet(s), 1/8in female NPT outlet(s)	0.31	270 psi	120VAC	18mm DIN style wiring plug	0.57	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">6222-6K001-AAA7C-A</a>	\$70.00		0.52	125 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAA7C-A</a>	\$70.00		0.61	80 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAA7C-A</a>	\$70.00		0.72	50 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAA7B-A</a>	\$69.00		0.31	270 psi		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAA7B-A</a>	\$69.00		0.52	125 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAA7B-A</a>	\$69.00		0.61	80 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAA7B-A</a>	\$69.00		0.72	50 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAC7C-A</a>	\$70.00	3/8in female NPT inlet(s), 3/8in female NPT outlet(s)	0.31	270 psi		18mm DIN style wiring plug	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAC7C-A</a>	\$70.00		0.52	125 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAC7C-A</a>	\$70.00		0.61	80 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAC7C-A</a>	\$70.00		0.72	50 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6J001-AAC7B-A</a>	\$69.00		0.31	270 psi		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.57	<a href="#">PDF</a>		
<a href="#">6222-6K001-AAC7B-A</a>	\$69.00		0.52	125 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6L001-AAC7B-A</a>	\$69.00		0.61	80 psi			0.57	<a href="#">PDF</a>		
<a href="#">6222-6M001-AAC7B-A</a>	\$69.00		0.72	50 psi			0.57	<a href="#">PDF</a>		


**SPARTAN**  
 SCIENTIFIC

# 6100, 6200, 6222 Series Valve Accessories

- Spartan Series Replacement Coils for use with 6100, 6200 and 6222 Series Valves
- A variety of voltages are available for use in any valve: 12VDC, 24VDC, 24VAC, 120VAC and 220VAC
- Coils offered with either 18mm DIN plug or 18in pigtail (PVC 22AWG multistrand copper wire 300 Volt)


**Part no. 4A000-01201-A**

**Part no. 4A001-01201-A**


See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
 for a variety of cable options.

6100, 6200, 6222 Series Valve Accessories				
Part No.	Price	Description	Weight (lbs)	Drawing Link
<a href="#"><u>4A000-01201-A</u></a>	\$28.00	Spartan solenoid coil, 12 VDC, 10W, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A000-02401-A</u></a>	\$28.00	Spartan solenoid coil, 24 VDC, 10W, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A000-02411-A</u></a>	\$28.00	Spartan solenoid coil, 24 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A000-12011-A</u></a>	\$28.00	Spartan solenoid coil, 120 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A000-22011-A</u></a>	\$28.00	Spartan solenoid coil, 220 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A001-01201-A</u></a>	\$37.00	Spartan solenoid coil, 12 VDC, 10W, 18in 22AWG pigtail. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A001-02401-A</u></a>	\$37.00	Spartan solenoid coil, 24 VDC, 10W, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A001-02411-A</u></a>	\$37.00	Spartan solenoid coil, 24 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A001-12011-A</u></a>	\$37.00	Spartan solenoid coil, 120 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>4A001-22011-A</u></a>	\$37.00	Spartan solenoid coil, 220 VAC, 11.5 VA, 18mm DIN style wiring plug. For use with 6100, 6200 and 6222 series Spartan valves.	<a href="#"><u>0.30</u></a>	<a href="#"><u>PDF</u></a>



**SPARTAN**  
SCIENTIFIC

# 3825 Series Valves



Part no. [3825-66-B20Y-A](#)



Part no. [3825-66-B20G-A](#)

3825 series valves are 2-way, normally closed, direct acting valves. The engineered composite body material and other wetted materials are suitable for potable water applications.

## Features

- Direct acting operator
- Glass reinforced Nylon body
- Port size 1/4 push to connect tubing
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

3825 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">3825-66-B20Y-A</a>	\$58.00	1/4in push-to-connect tubing inlet(s), 1/4in push-to-connect tubing outlet(s)	0.24	150 psi	120VAC	11mm DIN style wiring plug	0.23	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">3825-66-B20U-A</a>	\$58.00				24VDC		0.23	<a href="#">PDF</a>		
<a href="#">3825-67-B20Y-A</a>	\$63.00		0.31	75 psi	120VAC	18mm DIN style wiring plug	0.23	<a href="#">PDF</a>		
<a href="#">3825-67-B20U-A</a>	\$63.00				24VDC		0.23	<a href="#">PDF</a>		
<a href="#">3825-66-B20G-A</a>	\$57.00		0.24	150 psi	120VAC	18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.23	<a href="#">PDF</a>		
<a href="#">3825-66-B20C-A</a>	\$57.00				24VDC		0.23	<a href="#">PDF</a>		
<a href="#">3825-67-B20G-A</a>	\$62.00		0.31	75 psi	120VAC		0.23	<a href="#">PDF</a>		
<a href="#">3825-67-B20C-A</a>	\$62.00				24VDC		0.23	<a href="#">PDF</a>		



**SPARTAN**  
SCIENTIFIC

# 3827 Series Valves



Part no. [3827-670-AA87C-A](#)



Part no. [3827-670-AA87B-A](#)

3825 series valves are 2-way, normally closed, direct acting valves. The engineered composite body material and other wetted materials are suitable for potable water applications.

## Features

- Direct acting operator
- Glass reinforced Nylon body
- Port size 1/8 inch NPT
- 2-way, 2-position normally closed operation
- 24 VDC or 120 VAC (other voltage coils available)



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

3827 Series Solenoid Valves										
Part No.	Price	Ports	Cv	Max Pressure	Operating Voltage	Connection	Weight (lbs)	Drawing Link	Vendor Specs	Vendor Application and Install Guide
<a href="#">3827-670-AA87C-A</a>	\$43.00	1/8in female NPT inlet(s), 1/8in female NPT outlet(s)	0.24	200 psi	120VAC	11mm DIN style wiring plug	0.22	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">3827-670-AA83C-A</a>	\$43.00				24VDC			<a href="#">PDF</a>		
<a href="#">3827-680-AA87C-A</a>	\$47.00		0.31	75 psi	120VAC		0.22	<a href="#">PDF</a>		
<a href="#">3827-680-AA83C-A</a>	\$47.00			60 psi	24VDC		0.22	<a href="#">PDF</a>		
<a href="#">3827-670-AA87B-A</a>	\$42.00		18in pigtail (PVC 22AWG multi-strand copper wire 300 Volt)	0.24	200 psi	120VAC	0.22	<a href="#">PDF</a>		
<a href="#">3827-670-AA83B-A</a>	\$42.00					24VDC		<a href="#">PDF</a>		
<a href="#">3827-680-AA87B-A</a>	\$46.00			0.31	75 psi	120VAC	0.22	<a href="#">PDF</a>		
<a href="#">3827-680-AA83B-A</a>	\$46.00				60 psi	24VDC	0.22	<a href="#">PDF</a>		



# Solenoid Valve 2 Way / 2 Position N.C. Direct Acting



21A31K1V25-T3  
Valve & Coil Shown

Direct acting solenoid valve for use with water and other compatible fluids.  
Minimum operational pressure is not required.

The materials used and the tests carried out ensure maximum reliability and duration.

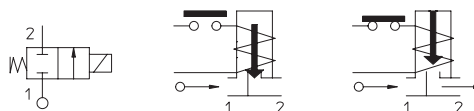
## Features

- Each valve and coil assembly is designated by the valve P/N followed by -A for 110VAC and -B for 24VDC
- Use in vending and other potable water applications
- G1/8 or G1/4
- Coil temperature class: class H (180°C - 356°F)
- Recommended ambient temperature range -20°C to +60°C (-4°F to +140°F)
- Electrical conformity IEC 335
- Protection degree IP 65 EN 60529 (DIN 40050) with coil fitted by connector.
- NSF/ANSI 169
- Accepts DIN 43650A cables



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	-10°C (14°F)	+140°C (284°F)	Water, Air, Steam



Solenoid Valve 2/2 Way N.C. Direct Acting														
Valve Part No. Coil Part No.	Order Code	Port Size	Max Viscosity	ø mm	Kv (l/min)	Cv	Coil Voltage	Power*	Operating Pressure (bar/psi)			Price	Weight (lbs)	Drawing Link
			cSt						Min	Max	Max Operating Pressure Differential			
21A31K1V25-T3	21A31K1V25-T3-A	G1/8	53	2.5	3.2	0.22	120VAC (60Hz) 110VAC (50Hz)	15VA	0 / 0	40 / 580	14 / 203.1	\$93.00	0.75	<a href="#">PDF</a>
21A31K1V25-T3 BDV08024CY	21A31K1V25-T3-B						24VDC	11W			9 / 130.5	\$93.00	0.76	<a href="#">PDF</a>
21A22K1V25-T3	21A22K1V25-T3-A	G1/4	53	2.5	3.2	0.22	120VAC (60Hz) 110VAC (50Hz)	15VA	0 / 0	40 / 580	14 / 203.1	\$93.00	0.72	<a href="#">PDF</a>
21A22K1V25-T3 BDV08024CY	21A22K1V25-T3-B						24VDC	11W			9 / 130.5	\$93.00	0.73	<a href="#">PDF</a>

Materials	
Body	Low lead brass
Armature Tube	Stainless steel AISI series 300
Fixed Core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase Displacement Ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	V=FKM (fluoroelastomer)
Orifice	Stainless steel AISI series 300
Electrical Connections	18mm DIN 43650 Form A With connector EN 175301-803 paragraph 5.3.1 Protection degree IP 65 EN 60529 (DIN 40050)

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference. Other voltages and power absorptions are available.

ODE 10-09-2018

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



# Solenoid Valve 2 Way / 2 Position N.C. Direct Acting



21A31K1V45-WT3  
Valve & Coil Shown

Direct acting solenoid valve for use with water and other compatible fluids.

Minimum operational pressure is not required.

The materials used and the tests carried out ensure maximum reliability and duration.

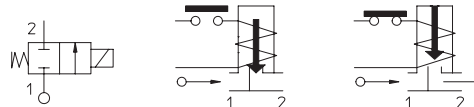
## Features

- Each valve and coil assembly is designated by the valve P/N followed by -A for 110VAC and -B for 24VDC
- Use in vending and other potable water applications
- G1/8 or G1/4
- Coil temperature: 180°C (356°F) (class H)
- Recommended ambient temperature range -20°C to +60°C (-4°F to +140°F)
- Electrical conformity IEC 335
- Protection degree IP 65 EN 60529 (DIN 40050) with coil fitted by connector.
- NSF/ANSI 169
- Accepts DIN 43650A cables



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	-10°C (14°F)	+140°C (284°F)	Water, Air, Steam



Solenoid Valve 2/2 Way N.C. Direct Acting														
Valve Part No. Coil Part No.	Order Code	Port Size	Max Viscosity	ø mm	Kv (l/min)	Cv	Coil Voltage	Power*	Operating Pressure (bar/psi)			Price	Weight (lbs)	Drawing Link
			cSt						Min	Max	Max Operating Pressure Differential			
21A31K1V45-WT3	<a href="#">21A31K1V45-WT3-A</a>	G1/8	53	4.5	6.5	0.45	120VAC (60Hz) 110VAC (50Hz)	15VA	0 / 0	40 / 580	10 / 145.0	\$93.00	0.74	<a href="#">PDF</a>
21A31K1V45-WT3 <a href="#">BDV08024CY</a>	<a href="#">21A31K1V45-WT3-B</a>										5 / 72.5	\$93.00	0.76	<a href="#">PDF</a>
21A22K1V55-WT3	<a href="#">21A22K1V55-WT3-A</a>	G1/4	5.5	9	0.63	120VAC (60Hz) 110VAC (50Hz)	15VA	7 / 101.5			\$95.00	0.71	<a href="#">PDF</a>	
21A22K1V55-WT3 <a href="#">BDV08024CY</a>	<a href="#">21A22K1V55-WT3-B</a>							2 / 29.0			\$95.00	0.73	<a href="#">PDF</a>	

Materials	
Body	Low lead brass
Armature Tube	Stainless steel AISI series 300
Fixed Core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase Displacement Ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	V=FKM (fluoroelastomer)
Orifice	Low lead brass
Electrical Connections	18mm DIN 43650 Form A With connector EN 175301-803 paragraph 5.3.1 Protection degree IP 65 EN 60529 (DIN 40050)

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference. Other voltages and power absorptions are available.

ODE 10-09-2018

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



# Solenoid Valve 2 Way / 2 Position N.C. With Pilot Control



21WN3K1E130-T5 Valve & Coil Shown

Solenoid valve with pilot control for use with water and other compatible fluids.

A minimum operational pressure of 0.2 bar (2.9 psi) is required.

The materials used and the tests carried out ensure maximum reliability and duration.

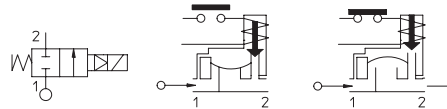
## Features

- Each valve and coil assembly is designated by the valve P/N followed by -A for 110VAC and -B for 24VDC
- Use in water and water distribution
- 3/8", 1/2", 3/4" and 1" NPT ports
- Coil temperature: 180°C (356°F) (class H)
- Recommended ambient temperature range -20°C to +60°C (-4°F to +140°F)
- Max. allowable temperature 82°C (179.6°F)
- Electrical conformity IEC 335
- Protection degree IP 65 EN 60529 (DIN 40050) with coil fitted by connector.
- NSF/ANSI/CAN/61
- Accepts DIN 43650A cables



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for a variety of cable options.

Gaskets	Temperature		Medium
E = EPDM (ethylene-propylene)	-10°C (14°F)	+140°C (284°F)	Water



Solenoid Valve 2/2 Way N.C. With Pilot Control															
Valve Part No. Coil Part No.	Order Code	Port Size	Max Viscosity		ø mm	Kv (l/min)	Cv	Coil Voltage	Power*	Operating Pressure (bar/psi)			Price	Weight (lbs)	Drawing Link
			cSt							Min	Max	Max Operating Pressure Differential			
21WN3K1E130-T5	21WN3K1E130-T5-A	3/8" FNPT	12		13	60	4.1	120VAC (60Hz) 110VAC (50Hz)	15VA	0.2 / 2.90	25 / 363	16 / 232.1	\$115.00	1.36	<a href="#">PDF</a>
21WN3K1E130-T5 BDV08024CY	21WN3K1E130-T5-B							24VDC	11W				\$115.00	1.38	<a href="#">PDF</a>
21WN5K1E190-T5	21WN5K1E190-T5-A	3/4" FNPT			19	140	9.8	120VAC (60Hz) 110VAC (50Hz)	15VA	0.2 / 2.90	25 / 363	16 / 232.1	\$165.00	2.48	<a href="#">PDF</a>
21WN5K1E190-T5 BDV08024CY	21WN5K1E190-T5-B							24VDC	11W				\$165.00	2.51	<a href="#">PDF</a>

Materials	
Body	Low lead brass
Armature Tube	Stainless steel AISI series 300
Fixed Core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase Displacement Ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	E = EPDM (ethylene-propylene)
Orifice	Low lead brass
Electrical Connections	18mm DIN 43650 Form A With connector EN 175301-803 paragraph 5.3.1 Protection degree IP 65 EN 60529 (DIN 40050)

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference. Other voltages and power absorptions are available.

ODE 10-09-2018

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



# Solenoid Valve 2 Way / 2 Position N.C. With Pilot Control

Solenoid valve with pilot control for use with water and other compatible fluids.

A minimum operational pressure of 0.2 bar (2.9 psi) is required.

The materials used and the tests carried out ensure maximum reliability and duration.



21WN7K1E350-T3 Valve & Coil Shown

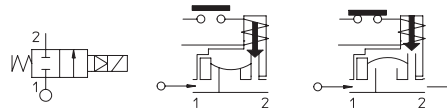
## Features

- Each valve and coil assembly is designated by the valve P/N followed by -A for 110VAC and -B for 24VDC
- Use in water and water distribution
- 1-1/4" and 1-1/2" NPT ports
- Coil temperature: 180°C (356°F) (class H)
- Recommended ambient temperature range -20°C to +60°C (-4°F to +140°F)
- Electrical conformity IEC 335
- Protection degree IP 65 EN 60529 (DIN 40050) with coil fitted by connector.
- NSF/ANSI 169
- Accepts DIN 43650A cables



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for a variety of cable options.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	-10°C (14°F)	+140°C (284°F)	Water, Water distribution



## Solenoid Valve 2/2 Way N.C. With Pilot Control

Valve Part No. Coil Part No.	Order Code	Port Size	Max Viscosity cSt	Ø mm	Kv (l/mn)	Cv	Coil Voltage	Power*	Operating Pressure (bar/psi)			Price	Weight (lbs)	Drawing Link
									Min	Max	Max Operating Pressure Differential			
21WN7K1V350-T3	<a href="#">21WN7K1V350-T3-A</a>	1-1/4" FNPT	12	35	400	28	120VAC (60Hz) 110VAC (50Hz)	15VA	0.2 / 2.90	16 / 232.1	10 / 145.0	\$307.00	7.29	<a href="#">PDF</a>
21WN8K1V400-T3	<a href="#">21WN8K1V400-T3-A</a>	1-1/2" FNPT		40	520	36	120VAC (60Hz) 110VAC (50Hz)	15VA				\$327.00	6.57	<a href="#">PDF</a>
21WN8K1V400-T3 <a href="#">BDV08024CY</a>	<a href="#">21WN8K1V400-T3-B</a>						24VDC	11W				\$327.00	6.57	<a href="#">PDF</a>

Materials	
Body	Low lead brass
Armature Tube	Stainless steel AISI series 300
Fixed Core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase Displacement Ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	V=FKM (fluoroelastomer)
Orifice	Low lead brass
Electrical Connections	18mm DIN 43650 Form A With connector EN 175301-803 paragraph 5.3.1 Protection degree IP 65 EN 60529 (DIN 40050)

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference. Other voltages and power absorptions are available.

ODE 10-09-2018

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.





# Solenoid Valve 2 Way / 2 Position N.C. With Pilot Control



21WN5K1E190-10T5  
Valve & Coil Shown

Solenoid valve with pilot control for use with water and other compatible fluids. A minimum operational pressure of 0.2 bar (2.9 psi) is required. The materials used and the tests carried out ensure maximum reliability and duration.

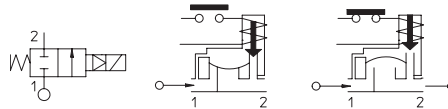
## Features

- Each valve and coil assembly is designated by the valve P/N followed by -A for 110VAC and -B for 24VDC
- Slow close operation reduces pressure spikes and water hammer
- Use in automation and heating
- 3/4" NPT ports
- Coil temperature: 180°C (356°F) (class H)
- Recommended ambient temperature range -20°C to +60°C (-4°F to +140°F)
- Electrical conformity IEC 335
- Protection degree IP 65 EN 60529 (DIN 40050) with coil fitted by connector.
- NSF/ANSI/CAN/61
- Accepts DIN 43650A cables



See our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of cable options.

Gaskets	Temperature		Medium
E = EPDM (ethylene-propylene)	-10°C (14°F)	+140°C (284°F)	Water



Solenoid Valve 2/2 Way N.C. With Pilot Control														
Valve Part No. Coil Part No.	Order Code	Port Size	Max Viscosity	ø mm	Kv (l/mn)	Cv	Coil Voltage	Power*	Operating Pressure (bar/psi)			Price	Weight (lbs)	Drawing Link
			cSt						Min	Max	Max Operating Pressure Differential			
21WN5K1E190-10T5	21WN5K1E190-10T5-A	3/4" FNPT	12	19	140	9.8	120VAC (60Hz) 110VAC (50Hz)	15VA	0.2 / 2.90	25 / 362.6	16 / 232.1	\$205.00	2.52	<a href="#">PDF</a>
21WN5K1E190-10T5 BDV08024CY	21WN5K1E190-10T5-B						24VDC	11W				\$205.00	2.5	<a href="#">PDF</a>

Materials	
Body	Low lead brass
Armature Tube	Stainless steel AISI series 300
Fixed Core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase Displacement Ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	E = EPDM (ethylene-propylene)
Orifice	Low lead brass
Electrical Connections	18mm DIN 43650 Form A With connector EN 175301-803 paragraph 5.3.1 Protection degree IP 65 EN 60529 (DIN 40050)

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference. Other voltages and power absorptions are available.

ODE 10-09-2018

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.




# ODE - Replacement Coils

ODE replacement solenoid coils are available in five popular voltages and fit all ODE solenoid valves sold by AutomationDirect.com.

## Features

- Used for ODE brass process valves only
- Coil: BDV - Coil housing material: PET - Black polyethylene - 180°C (class H)
- Winding: In class H
- Electrical Connections: With connector EN 175301-803 paragraph 5.3.1  
Protection degree IP 65 EN 60529 (DIN 40050)  
- accepts DIN 43650A cables



ODE Water Valve Accessory Coils										
Coil Photo	Part No.	Voltage Rating	Power Rating	Ambient Temperature	Connection	ED (Duty Cycle)	Approvals	Price	Weight (lbs)	Drawing Link
	<a href="#">BDV08012CY</a>	12VDC	11W	-20°C to +60°C (-4°F to +140°F)	18mm EN 175301-803	100%	UL, CE, CSA & VDE	\$34.00	0.33	<a href="#">PDF</a>

\* NOMINAL VOLTAGE TOLERANCES: AC + 10% - 15%  
DC + 10% - 5%

The power values are indicative, as they change as a function of the magnetic kit used and of the application sector of reference.

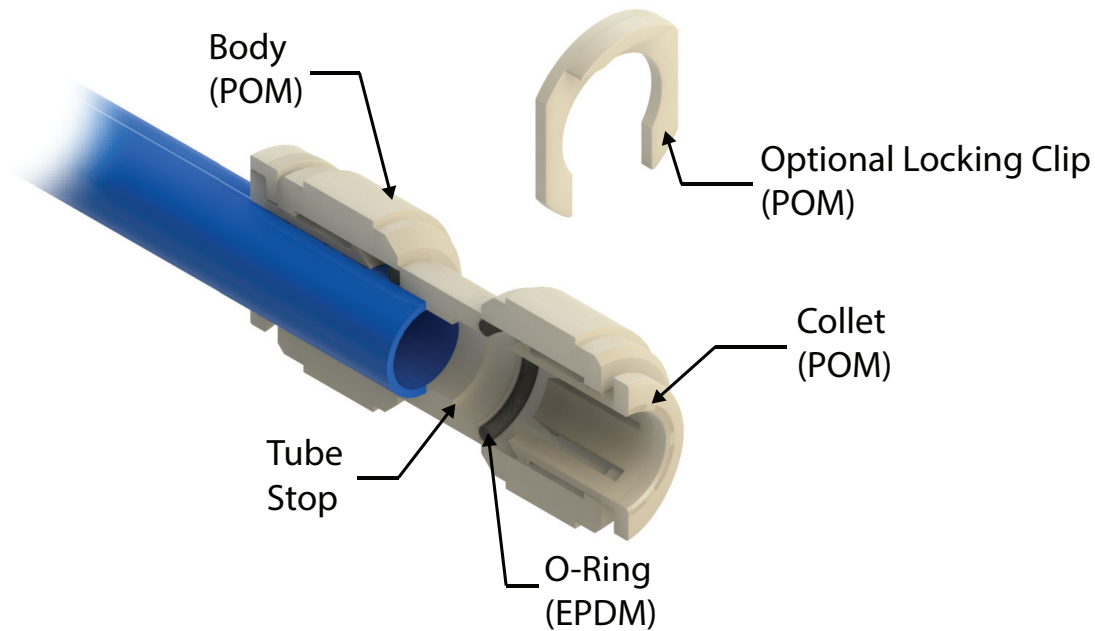
See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.

# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect fittings are designed to work with potable water and beverages. Installing or removing flexible tubing is quick and easy. All fittings are made of NSF approved materials with NSF-51® and NSF-61® certifications. The body and collet of the fittings are made from polyoxymethylene (POM) also known as acetal, while the o-rings are made from ethylene propylene diene monomer (EPDM) which is a type of synthetic rubber.

## Features

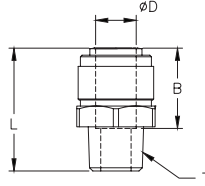
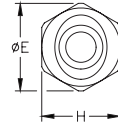
- Designed for potable water and beverages
- NSF-51 and NSF-61 certified
- Easy tubing installation and removal
- Optional retaining clips prevent accidental tube removal
- Fittings rated for up to 145psi at 70°C (158°F)



*Push-to-Connect Fitting  
Cut-away Diagram*

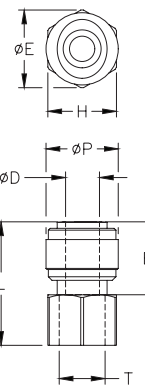
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect male straight fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Male Straight										
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted										
Part No.	Price	Size (inch)	ØD (inch)	T (NPTF)	B	ØE	H (inch)	L	Package Weight (lbs)	Qty. per pack
<a href="#">MS532-18N-P</a>	\$4.75	5/32 in. x 1/8 NPT	5/32	1/8	14.7	17.8	15.8 (5/8)	22.2	0.1	5
<a href="#">MS532-14N-P</a>	\$5.75	5/32 in. x 1/4 NPT	5/32	1/4	14.7	17.8	15.8 (5/8)	25.3	0.1	5
<a href="#">MS14-18N-P</a>	\$5.75	1/4 in. x 1/8 NPT	1/4	1/8	16.9	17.8	15.8 (5/8)	27.0	0.1	5
<a href="#">MS14-14N-P</a>	\$6.00	1/4 in. x 1/4 NPT	1/4	1/4	16.9	17.8	15.8 (5/8)	27.0	0.1	5
<a href="#">MS14-38N-P</a>	\$8.25	1/4 in. x 3/8 NPT	1/4	1/4	16.9	21.4	19.0 (3/4)	26.1	0.1	5
<a href="#">MS516-18N-P</a>	\$6.00	5/16 in. x 1/8 NPT	5/16	5/16	17.5	21.4	19.0 (3/4)	28.4	0.1	5
<a href="#">MS516-14N-P</a>	\$6.25	5/16 in. x 1/4 NPT	5/16	5/16	17.5	21.4	19.0 (3/4)	27.9	0.1	5
<a href="#">MS516-38N-P</a>	\$9.50	5/16 in. x 3/8 NPT	5/16	5/16	17.5	21.4	19.0 (3/4)	26.5	0.1	5
<a href="#">MS516-12N-P</a>	\$5.75	5/16 in. x 1/2 NPT	5/16	5/16	17.5	25.0	22.2 (7/8)	33.5	0.1	5
<a href="#">MS38-18N-P</a>	\$12.00	3/8 in. x 1/8 NPT	3/8	3/8	20.2	23.0	20.6 (3/4)	30.4	0.1	5
<a href="#">MS38-14N-P</a>	\$9.50	3/8 in. x 1/4 NPT	3/8	3/8	20.2	23.0	20.6 (3/4)	34.3	0.1	5
<a href="#">MS38-38N-P</a>	\$11.00	3/8 in. x 3/8 NPT	3/8	3/8	20.2	23.0	20.6 (3/4)	29.6	0.1	5
<a href="#">MS38-12N-P</a>	\$16.00	3/8 in. x 1/2 NPT	3/8	1/2	20.2	25.0	22.2 (7/8)	33.9	0.1	5
<a href="#">MS12-38N-P</a>	\$14.50	1/2 in. x 3/8 NPT	1/2	3/8	25.1	27.4	25.4 (1.0)	38.4	0.1	5
<a href="#">MS12-12N-P</a>	\$15.00	1/2 in. x 1/2 NPT	1/2	1/2	25.1	27.4	25.4 (1.0)	37.9	0.1	5

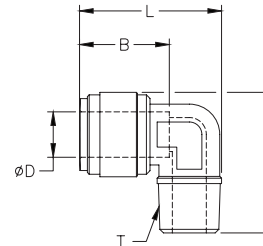
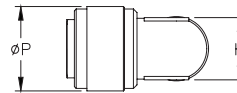
HydroMode push-to-connect female straight fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Female Straight											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD (inch)	ØP	T (NPTF)	B	ØE	H (Hex)	L	Package Weight (lbs)	Qty. per pack
<a href="#">FS14-18N-P</a>	\$9.00	1/4 in. x 1/8 NPT	1/4	15.5	1/8	16.9	19.0	17.0	30.9	0.1	5
<a href="#">FS14-14N-P</a>	\$9.00	1/4 in. x 1/4 NPT	1/4	15.5	1/4	16.9	21.5	19.0	30.9	0.1	5
<a href="#">FS38-14N-P</a>	\$9.75	3/8 in. x 1/4 NPT	3/8	20.0	1/4	20.2	21.5	19.0	34.2	0.1	5

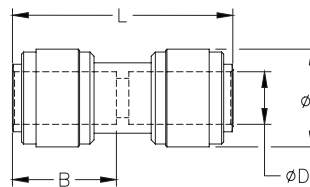
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect male elbow fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Male Elbow											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD (inch)	ØP	T (NPTF)	B	E	H (inch)	L	Package Weight (lbs)	Qty. per pack
<a href="#">ME532-18N-P</a>	\$5.00	5/32 in. x 1/8 NPT	5/32	15.5	1/8	14.7	26.4	11.0 (7/16)	25.4	0.1	5
<a href="#">ME14-18N-P</a>	\$8.25	1/4 in. x 1/8 NPT	1/4	15.5	1/8	16.9	26.4	11.0 (7/16)	25.6	0.1	5
<a href="#">ME14-14N-P</a>	\$9.75	1/4 in. x 1/4 NPT	1/4	15.5	1/4	16.9	31.9	11.0 (7/16)	27.0	0.1	5
<a href="#">ME14-38N-P</a>	\$11.50	1/4 in. x 3/8 NPT	1/4	15.5	3/8	16.9	32.7	11.0 (7/16)	28.9	0.1	5
<a href="#">ME516-14N-P</a>	\$11.50	5/16 in. x 1/4 NPT	5/16	20.0	1/4	17.5	35.2	14.3 (9/16)	31.4	0.1	5
<a href="#">ME38-14N-P</a>	\$14.50	3/8 in. x 1/4 NPT	3/8	20.0	1/4	20.2	35.2	14.3 (9/16)	31.8	0.1	5
<a href="#">ME38-38N-P</a>	\$16.00	3/8 in. x 3/8 NPT	3/8	20.0	3/8	20.2	35.8	14.3 (9/16)	33.9	0.1	5
<a href="#">ME12-38N-P</a>	\$21.00	1/2 in. x 3/8 NPT	1/2	23.6	3/8	25.1	39.3	17.4 (11/16)	39.7	0.1	5
<a href="#">ME12-12N-P</a>	\$22.00	1/2 in. x 1/2 NPT	1/2	23.6	1/2	25.1	43.3	17.4 (11/16)	41.5	0.2	5

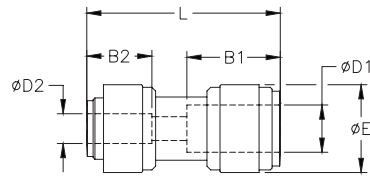
HydroMode push-to-connect union straight fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Straight								
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted								
Part No.	Price	Size (inch)	ØD (inch)	B	ØE	L	Package Weight (lbs)	Qty. per pack
<a href="#">US532-P</a>	\$6.25	5/32 in. x 5/32 in.	5/32	14.7	13.3	31.8	0.1	5
<a href="#">US14-P</a>	\$8.25	1/4 in. x 1/4 in.	1/4	16.9	15.5	36.2	0.1	5
<a href="#">US516-P</a>	\$9.00	5/16 in. x 5/16 in.	5/16	17.5	17.6	38.2	0.1	5
<a href="#">US38-P</a>	\$11.00	3/8 in. x 3/8 in.	3/8	20.2	20.0	42.9	0.1	5
<a href="#">US12-P</a>	\$13.00	1/2 in. x 1/2 in.	1/2	25.1	23.6	53.2	0.1	5

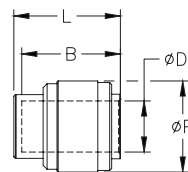
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect union straight reducer fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Straight Reducer										
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted										
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	B1	B2	ØE	L	Package Weight (lbs)	Qty. per pack
<a href="#">UR516-14-P</a>	\$8.25	5/16 in. x 1/4 in.	5/16	1/4	17.5	16.9	17.6	36.8	0.1	5
<a href="#">UR38-14-P</a>	\$10.50	3/8 in. x 1/4 in.	3/8	1/4	20.2	16.9	20.0	42.1	0.1	5
<a href="#">UR38-516-P</a>	\$9.50	3/8 in. x 5/16 in.	3/8	5/16	20.2	17.5	20.0	42.5	0.1	5
<a href="#">UR12-516-P</a>	\$11.00	1/2 in. x 5/16 in.	1/2	5/16	25.1	17.5	23.6	52.0	0.2	5
<a href="#">UR12-38-P</a>	\$11.50	1/2 in. x 3/8 in.	1/2	3/8	25.1	25.1	23.6	52.4	0.2	5

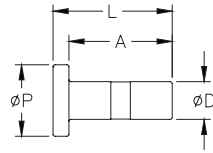
HydroMode push-to-connect union cap fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Cap								
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted								
Part No.	Price	Size (inch)	ØD (inch)	ØP	B	L	Package Weight (lbs)	Qty. per pack
<a href="#">UC14-P</a>	\$8.00	1/4 in.	1/4	15.5	16.9	18.9	0.1	5
<a href="#">UC516-P</a>	\$8.00	5/16 in.	5/16	17.6	17.5	19.5	0.1	5
<a href="#">UC38-P</a>	\$8.25	3/8 in.	3/8	20.0	20.2	22.2	0.1	5

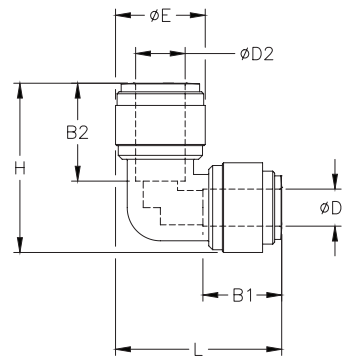
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect plug fitting with acetel body and synthetic rubber o-ring. Five fittings per package.



HydroMode™ Plug								
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted								
Part No.	Price	Size (inch)	ØD (inch)	ØP	A	L	Package Weight (lbs)	Qty. per pack
<u>PLUG14-P</u>	\$3.25	1/4 in.	1/4	13.0	21.0	24.5	0.1	5
<u>PLUG38-P</u>	\$4.00	3/8 in.	3/8	18.0	26.0	30.0	0.1	5

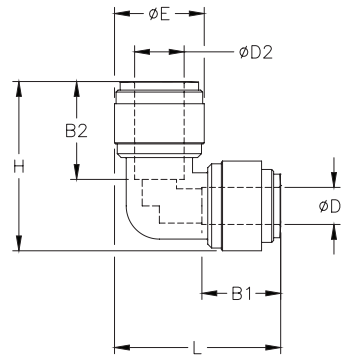
HydroMode push-to-connect union elbow fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Elbow											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	B1	B2	ØE	L	H	Package Weight (lbs)	Qty. per pack
<u>UL532-P</u>	\$7.75	5/32 in. x 5/32 in.	5/32	5/32	14.7	14.7	13.2	24.5	24.5	0.1	5
<u>UL14-P</u>	\$9.75	1/4 in. x 1/4 in.	1/4	1/4	16.9	16.9	15.5	28.8	28.8	0.1	5
<u>UL516-P</u>	\$11.00	5/16 in. x 5/16 in.	5/16	5/16	17.5	17.5	17.6	30.7	30.7	0.1	5
<u>UL38-P</u>	\$13.50	3/8 in. x 3/8 in.	3/8	3/8	20.2	20.2	20.0	35.9	35.9	0.1	5
<u>UL12-P</u>	\$18.00	1/2 in. x 1/2 in.	1/2	1/2	25.1	25.1	23.0	43.4	43.4	0.2	5

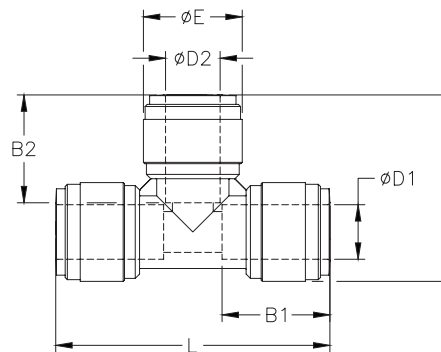
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect union reducing elbow fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Reducing Elbow											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	B1	B2	ØE	L	H	Package Weight (lbs)	Qty. per pack
<a href="#">URL516-14-P</a>	\$10.00	5/16 in. x 1/4 in.	5/16	1/4	17.5	16.9	17.6	30.7	30.3	0.1	5
<a href="#">URL12-38-P</a>	\$14.50	1/2 in. x 3/8 in.	1/2	3/8	25.1	20.2	23.0	43.4	42.6	0.2	5

HydroMode push-to-connect union tee fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.

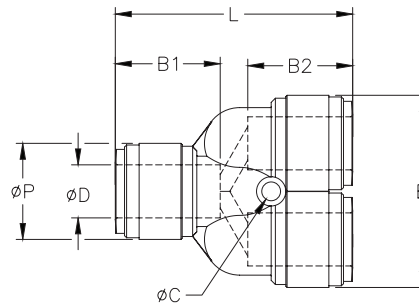


HydroMode™ Union Tee											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	B1	B2	ØE	H	L	Package Weight (lbs)	Qty. per pack
<a href="#">UT532-P</a>	\$11.00	5/32 in.	5/32	5/32	14.7	14.7	13.2	24.5	35.8	0.1	5
<a href="#">UT14-P</a>	\$11.50	1/4 in.	1/4	1/4	16.9	16.9	15.5	28.8	42.0	0.1	5
<a href="#">UT516-P</a>	\$12.00	5/16 in.	5/16	5/16	17.5	17.5	17.6	30.7	43.8	0.1	5
<a href="#">UT38-P</a>	\$14.50	3/8 in.	3/8	3/8	20.2	20.2	20.0	35.9	51.8	0.2	5
<a href="#">UT12-P</a>	\$19.00	1/2 in.	1/2	1/2	25.1	25.1	23.0	43.4	63.8	0.2	5



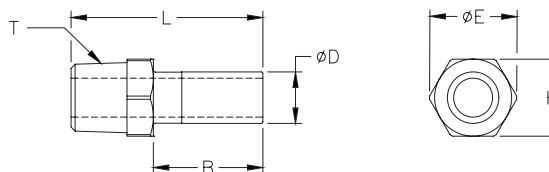
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect union Y fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Y										
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted										
Part No.	Price	Size (inch)	ØD (inch)	B1	B2	ØP	L	Ø	Package Weight (lbs)	Qty. per pack
<a href="#">UY532-P</a>	\$15.00	5/32 in.	5/32	14.7	14.7	13.8	33.7	3.3	0.1	5
<a href="#">UY14-P</a>	\$15.00	1/4 in.	1/4	16.9	16.9	15.5	38.8	3.3	0.1	5
<a href="#">UY516-P</a>	\$16.50	5/16 in.	5/16	17.5	17.5	17.6	41.0	4.5	0.1	5
<a href="#">UY38-P</a>	\$15.00	3/8 in.	3/8	20.2	20.2	20.0	46.4	4.5	0.2	5
<a href="#">UY12-P</a>	\$19.50	1/2 in.	1/2	25.1	25.1	23.0	56.8	4.5	0.3	5

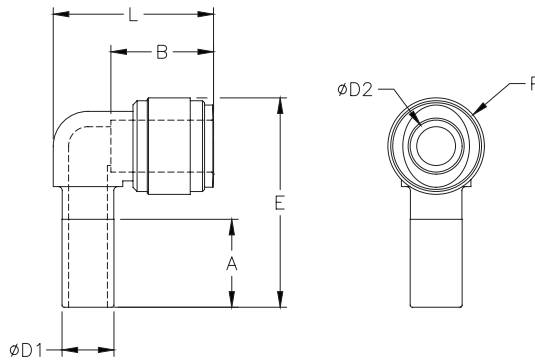
HydroMode push-to-connect NPT stem adapter fitting with acetel body and synthetic rubber o-ring. Five fittings per package.



HydroMode™ NPT Stem Adapter											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD (inch)	T (NPTF)	B	ØE	H (inch)	L	Package Weight (lbs)	Qty. per pack	
<a href="#">SA532-18N-P</a>	\$5.00	5/32 in. x 1/8 NPT	5/32	1/8	18.0	14.1	12.7 (1/2)	33.1	0.1	5	
<a href="#">SA532-14N-P</a>	\$5.00	5/32 in. x 1/4 NPT	5/32	1/4	18.0	17.8	15.8 (5/8)	37.2	0.1	5	
<a href="#">SA14-18N-P</a>	\$5.00	1/4 in. x 1/8 NPT	1/4	1/8	19.0	14.1	12.7 (1/2)	34.1	0.1	5	
<a href="#">SA14-14N-P</a>	\$5.75	1/4 in. x 1/4 NPT	1/4	1/4	19.0	17.8	15.8 (5/8)	38.2	0.1	5	
<a href="#">SA516-14N-P</a>	\$5.75	5/16 in. x 1/4 NPT	5/16	1/4	20.0	17.8	15.8 (5/8)	39.2	0.1	5	
<a href="#">SA38-14N-P</a>	\$5.75	3/8 in. x 1/4 NPT	3/8	1/4	23.0	17.8	15.8 (5/8)	42.2	0.1	5	
<a href="#">SA38-38N-P</a>	\$6.00	3/8 in. x 3/8 NPT	3/8	3/8	23.0	21.5	19.0 (3/4)	43.3	0.1	5	
<a href="#">SA12-38N-P</a>	\$6.00	1/2 in. x 3/8 NPT	1/2	3/8	27.0	21.5	19.0 (3/4)	47.3	0.1	5	
<a href="#">SA12-12N-P</a>	\$6.50	1/2 in. x 1/2 NPT	1/2	1/2	27.0	26.8	23.8 (15/16)	51.3	0.1	5	

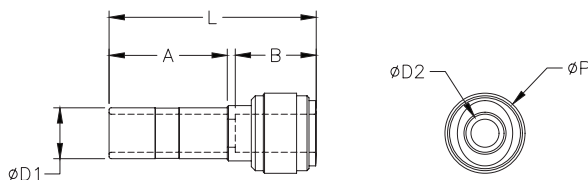
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect plug in elbow fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Plug In Elbow											
<i>Inch Sizes - dimensions in millimeters (mm) unless otherwise noted</i>											
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	P	A	B	E	L	Package Weight (lbs)	Qty. per pack
<a href="#">PE532-P</a>	\$9.00	5/32 in. x 5/32 in.	5/32	5/32	13.2	18.0	14.7	30.1	21.9	0.1	5
<a href="#">PE14-P</a>	\$9.00	1/4 in. x 1/4 in.	1/4	1/4	15.5	21.0	16.9	34.8	25.1	0.1	5
<a href="#">PE516-P</a>	\$11.00	5/16 in. x 5/16 in.	5/16	5/16	17.6	22.5	17.5	38.3	27.7	0.1	5
<a href="#">PE38-14-P</a>	\$11.50	3/8 in. x 1/4 in.	3/8	1/4	15.5	24.8	16.9	38.6	25.1	0.1	5
<a href="#">PE38-P</a>	\$14.50	3/8 in. x 3/8 in.	3/8	3/8	20.0	24.8	20.2	43.2	31.4	0.1	5
<a href="#">PE12-P</a>	\$18.00	1/2 in. x 1/2 in.	1/2	1/2	23.6	29.5	25.1	51.2	39.2	0.1	5

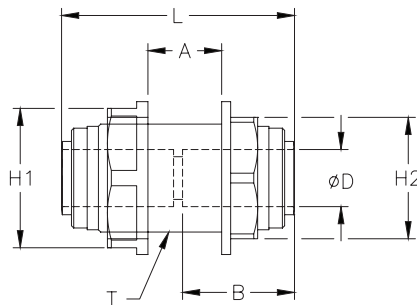
HydroMode push-to-connect plug in reducer fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Plug In Reducer										
<i>Inch Sizes - dimensions in millimeters (mm) unless otherwise noted</i>										
Part No.	Price	Size (inch)	ØD1 (inch)	ØD2 (inch)	ØP	L	A	B	Package Weight (lbs)	Qty. per pack
<a href="#">PR14-532-P</a>	\$6.25	1/4 in. x 5/32 in.	1/4	5/32	13.2	36.7	21.0	14.7	0.1	5
<a href="#">PR38-14-P</a>	\$7.50	3/8 in. x 1/4 in.	3/8	1/4	17.6	43.9	24.8	16.9	0.1	5
<a href="#">PR38-516-P</a>	\$7.75	3/8 in. x 5/16 in.	3/8	5/16	17.6	44.3	24.8	17.5	0.1	5
<a href="#">PR12-38-P</a>	\$8.00	1/2 in. x 3/8 in.	1/2	3/8	20.0	51.7	29.5	20.2	0.1	5

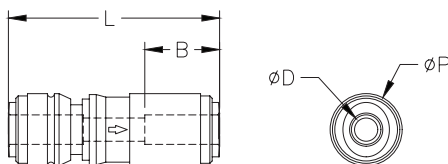
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect bulkhead union fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Bulkhead Union											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD (inch)	T	L	A	B	H1	H2	Package Weight (lbs)	Qty. per pack
<a href="#">UB532-P</a>	\$13.00	5/32 in. x 5/32 in.	5/32	M15*1.5P	31.4	7.2	14.7	17.0	18.0	0.1	5
<a href="#">UB14-P</a>	\$13.50	1/4 in. x 1/4 in.	1/4	M17*1.5P	34.2	7.9	16.9	19.0	21.0	0.1	5
<a href="#">UB516-P</a>	\$13.50	5/16 in. x 5/16 in.	1/4	M24*1.75P	47.9	11.1	16.9	24.0	28.5	0.2	5
<a href="#">UB38-14-P</a>	\$13.50	3/8 in. x 1/4 in.	5/16	M20*1.75P	38.5	9.4	17.5	21.0	25.5	0.2	5
<a href="#">UB38-P</a>	\$15.50	3/8 in. x 3/8 in.	3/8	M24*1.75P	42.4	10.8	20.2	24.0	28.5	0.2	5
<a href="#">UB12-P</a>	\$16.50	1/2 in. x 1/2 in.	1/2	M27*2.0P	51.8	16.4	25.1	27.0	31.0	0.3	5

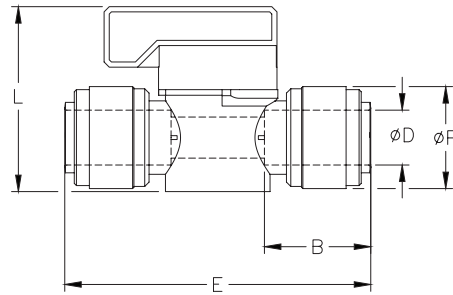
HydroMode push-to-connect union check valve fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Check Valve								
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted								
Part No.	Price	Size (inch)	ØD (inch)	ØP	L	B	Package Weight (lbs)	Qty. per pack
<a href="#">CVU14-P</a>	\$19.50	1/4 in. x 1/4 in.	1/4	15.5	45.5	16.1	0.1	2
<a href="#">CVU516-P</a>	\$19.50	5/16 in. x 5/16 in.	5/16	17.6	48.6	17.5	0.1	2
<a href="#">CVU38-P</a>	\$19.50	3/8 in. x 3/8 in.	3/8	20.0	57.8	19.4	0.1	2
<a href="#">CVU12-P</a>	\$19.50	1/2 in. x 1/2 in.	1/2	23.6	67.9	24.1	0.1	2

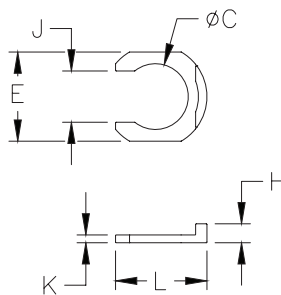
# HydroMode™ Potable Water Push-to-Connect Fittings

HydroMode push-to-connect union hand valve fitting with acetel body and synthetic rubber o-ring. For use with polyethylene and other flexible tubing. Five fittings per package.



HydroMode™ Union Hand Valve									
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted									
Part No.	Price	Size (inch)	ØD (inch)	B	ØP	L	E	Package Weight (lbs)	Qty. per pack
<a href="#">HVU14-P</a>	\$15.00	1/4 in. x 1/4 in.	1/4	16.1	15.5	34.5	51.7	0.1	2
<a href="#">HVU516-P</a>	\$15.00	5/16 in. x 5/16 in.	5/16	17.5	17.6	34.5	53.5	0.1	2
<a href="#">HVU38-P</a>	\$15.50	3/8 in. x 3/8 in.	3/8	20.2	20.0	42.3	63.2	0.1	2
<a href="#">HVU12-P</a>	\$16.50	1/2 in. x 1/2 in.	1/2	23.9	23.0	42.3	70.8	0.2	2

HydroMode push-to-connect polyoxymethylene (acetel) locking clip. For use with HydroMode fittings. Twenty five fittings per package.



HydroMode™ Locking Clip											
Inch Sizes - dimensions in millimeters (mm) unless otherwise noted											
Part No.	Price	Size (inch)	ØD (inch)	ØC	E	L	H	J	K	Package Weight (lbs)	Qty. per pack
<a href="#">LC532-P</a>	\$3.75	5/32 in.	5/32	6.2	10.2	11.0	2.8	4.3	1.1	0.1	25
<a href="#">LC14-P</a>	\$3.75	1/4 in.	1/4	8.0	11.6	11.6	3.1	6.4	1.3	0.1	25
<a href="#">LC516-P</a>	\$4.00	5/16 in.	5/16	9.6	13.5	13.9	3.3	7.3	1.4	0.1	25
<a href="#">LC38-P</a>	\$4.00	3/8 in.	3/8	11.8	16.0	16.4	3.4	9.2	1.4	0.1	25
<a href="#">LC12-P</a>	\$4.00	1/2 in.	1/2	14.4	19.0	19.0	3.6	11.1	1.4	0.1	25

# HydroMode™ Polyethylene Tubing



HydroMode™ polyethylene (PE) tubing is designed for use with potable water and beverages. This tubing is NSF-61® certified and works well with HydroMode push-to-connect fittings.

## Features

- Five sizes - 5/32" to 1/2"
- Seven colors - black, blue, natural, red, yellow, green and white
- 100, 500 and 1000 foot package sizes, 100 and 250 foot package sizes for the PE12 series
- Shore A 98 hardness
- NSF-61 certified
- Flexible and lightweight
- Works with push-to-connect fittings
- Made in USA

### Polyethylene 5/32 in. [4mm] Tubing Specifications

Outside Diameter (inch)	0.156	Working Pressure (psi) @ 70°F	75	Temp. Range	-50°F to +140°F (-45.6°C to +60°C)
Inside Diameter (inch)	0.106	Burst Pressure (psi)	540	Hardness	Shore A 98
Wall Thickness (inch)	0.025	Vacuum Rating	To 28" Hg	Bend Radius (inch)	1.000
100 ft. Package Length					
Part Number	Price	Color	Package Weight (lbs)		
<a href="#"><u>PE532BLK100</u></a>	\$10.00	Black	0.6		
<a href="#"><u>PE532BLU100</u></a>	\$10.50	Blue	0.6		
<a href="#"><u>PE532YEL100</u></a>	\$6.50	Yellow	0.6		
<a href="#"><u>PE532GRN100</u></a>	\$10.00	Green	0.6		
<a href="#"><u>PE532WHT100</u></a>	\$6.50	White	0.6		
500 ft. Package Length					
<a href="#"><u>PE532BLK500</u></a>	\$41.00	Black	3.0		
<a href="#"><u>PE532BLU500</u></a>	\$41.00	Blue	3.0		
<a href="#"><u>PE532NAT500</u></a>	\$33.00	Natural	3.0		
<a href="#"><u>PE532YEL500</u></a>	\$33.00	Yellow	3.0		
<a href="#"><u>PE532WHT500</u></a>	\$33.00	White	3.0		
1000 ft. Package Length					
<a href="#"><u>PE532BLK1000</u></a>	\$81.00	Black	6.0		
<a href="#"><u>PE532BLU1000</u></a>	\$81.00	Blue	6.0		
<a href="#"><u>PE532NAT1000</u></a>	\$65.00	Natural	6.0		
<a href="#"><u>PE532RED1000</u></a>	\$65.00	Red	6.0		
<a href="#"><u>PE532YEL1000</u></a>	\$65.00	Yellow	6.0		
<a href="#"><u>PE532GRN1000</u></a>	\$65.00	Green	6.0		
<a href="#"><u>PE532WHT1000</u></a>	\$65.00	White	6.0		

# HydroMode™ Polyethylene Tubing

Polyethylene 1/4 in. Tubing Specifications					
<i>Outside Diameter (inch)</i>	0.250	<i>Working Pressure (psi) @ 70°F</i>	75	<i>Temp. Range</i>	-50°F to +140°F (-45.6°C to +60°C)
<i>Inside Diameter (inch)</i>	0.170	<i>Burst Pressure (psi)</i>	540	<i>Hardness</i>	Shore A 98
<i>Wall Thickness (inch)</i>	0.040	<i>Vacuum Rating</i>	To 28" Hg	<i>Bend Radius (inch)</i>	1.250
100 ft. Package Length					
<i>Part Number</i>	<i>Price</i>	<i>Color</i>	<i>Package Weight (lbs)</i>		
<a href="#"><u>PE14BLK100</u></a>	\$12.00	Black	1.2		
<a href="#"><u>PE14BLU100</u></a>	\$12.00	Blue	1.2		
<a href="#"><u>PE14NAT100</u></a>	\$12.00	Natural	1.2		
<a href="#"><u>PE14RED100</u></a>	\$12.00	Red	1.2		
<a href="#"><u>PE14YEL100</u></a>	\$11.50	Yellow	1.2		
<a href="#"><u>PE14GRN100</u></a>	\$11.50	Green	1.2		
<a href="#"><u>PE14WHT100</u></a>	\$12.00	White	1.2		
500 ft. Package Length					
<a href="#"><u>PE14BLK500</u></a>	\$50.00	Black	6.0		
<a href="#"><u>PE14BLU500</u></a>	\$50.00	Blue	6.0		
<a href="#"><u>PE14NAT500</u></a>	\$50.00	Natural	6.0		
<a href="#"><u>PE14RED500</u></a>	\$43.00	Red	6.0		
<a href="#"><u>PE14YEL500</u></a>	\$50.00	Yellow	6.0		
<a href="#"><u>PE14GRN500</u></a>	\$50.00	Green	6.0		
<a href="#"><u>PE14WHT500</u></a>	\$43.00	White	6.0		
1000 ft. Package Length					
<a href="#"><u>PE14BLK1000</u></a>	\$97.00	Black	12.0		
<a href="#"><u>PE14BLU1000</u></a>	\$97.00	Blue	12.0		
<a href="#"><u>PE14NAT1000</u></a>	\$97.00	Natural	12.0		
<a href="#"><u>PE14YEL1000</u></a>	\$86.00	Yellow	12.0		
<a href="#"><u>PE14GRN1000</u></a>	\$86.00	Green	12.0		
<a href="#"><u>PE14WHT1000</u></a>	\$97.00	White	12.0		

Polyethylene 5/16 in. [8mm] Tubing Specifications					
<i>Outside Diameter (inch)</i>	0.313	<i>Working Pressure (psi) @ 70°F</i>	75	<i>Temp. Range</i>	-50°F to +140°F (-45.6°C to +60°C)
<i>Inside Diameter (inch)</i>	0.236	<i>Burst Pressure (psi)</i>	540	<i>Hardness</i>	Shore A 98
<i>Wall Thickness (inch)</i>	0.038	<i>Vacuum Rating</i>	To 28" Hg	<i>Bend Radius (inch)</i>	1.500
100 ft. Package Length					
<i>Part Number</i>	<i>Price</i>	<i>Color</i>	<i>Package Weight (lbs)</i>		
<a href="#"><u>PE516BLK100</u></a>	\$19.00	Black	1.5		
<a href="#"><u>PE516BLU100</u></a>	\$19.00	Blue	1.5		
<a href="#"><u>PE516GRN100</u></a>	\$11.50	Green	1.5		
500 ft. Package Length					
<a href="#"><u>PE516RED500</u></a>	\$57.00	Red	7.5		
<a href="#"><u>PE516YEL500</u></a>	\$57.00	Yellow	7.5		
<a href="#"><u>PE516GRN500</u></a>	\$57.00	Green	7.5		
<a href="#"><u>PE516WHT500</u></a>	\$57.00	White	7.5		
1000 ft. Package Length					
<a href="#"><u>PE516RED1000</u></a>	\$116.00	Red	15.0		
<a href="#"><u>PE516GRN1000</u></a>	\$116.00	Green	15.0		
<a href="#"><u>PE516WHT1000</u></a>	\$116.00	White	15.0		

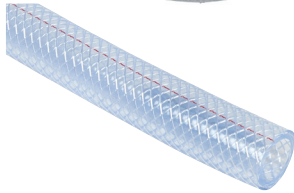
# HydroMode™ Polyethylene Tubing

Polyethylene 3/8 in. Tubing Specifications					
<i>Outside Diameter (inch)</i>	0.375	<i>Working Pressure (psi) @ 70°F</i>	75	<i>Temp. Range</i>	-50°F to +140°F (-45.6°C to +60°C)
<i>Inside Diameter (inch)</i>	0.250	<i>Burst Pressure (psi)</i>	540	<i>Hardness</i>	Shore A 98
<i>Wall Thickness (inch)</i>	0.062	<i>Vacuum Rating</i>	To 28" Hg	<i>Bend Radius (inch)</i>	2.000
100 ft. Package Length					
<i>Part Number</i>	<i>Price</i>	<i>Color</i>	<i>Package Weight (lbs)</i>		
<a href="#"><u>PE38BLK100</u></a>	\$23.00	Black	3.0		
<a href="#"><u>PE38BLU100</u></a>	\$23.00	Blue	3.0		
<a href="#"><u>PE38NAT100</u></a>	\$23.00	Natural	3.0		
<a href="#"><u>PE38RED100</u></a>	\$23.00	Red	3.0		
<a href="#"><u>PE38YEL100</u></a>	\$22.00	Yellow	3.0		
<a href="#"><u>PE38GRN100</u></a>	\$23.00	Green	3.0		
<a href="#"><u>PE38WHT100</u></a>	\$23.00	White	3.0		
500 ft. Package Length					
<a href="#"><u>PE38BLK500</u></a>	\$97.00	Black	14.0		
<a href="#"><u>PE38BLU500</u></a>	\$97.00	Blue	14.0		
<a href="#"><u>PE38RED500</u></a>	\$97.00	Red	14.0		
<a href="#"><u>PE38YEL500</u></a>	\$97.00	Yellow	14.0		
<a href="#"><u>PE38GRN500</u></a>	\$97.00	Green	14.0		
1000 ft. Package Length					
<a href="#"><u>PE38BLU1000</u></a>	\$175.00	Blue	25.0		
<a href="#"><u>PE38YEL1000</u></a>	\$175.00	Yellow	25.0		

Polyethylene 1/2 in. Tubing Specifications					
<i>Outside Diameter (inch)</i>	0.500	<i>Working Pressure (psi) @ 70°F</i>	75	<i>Temp. Range</i>	-50°F to +140°F (-45.6°C to +60°C)
<i>Inside Diameter (inch)</i>	0.375	<i>Burst Pressure (psi)</i>	540	<i>Hardness</i>	Shore A 98
<i>Wall Thickness (inch)</i>	0.062	<i>Vacuum Rating</i>	To 28" Hg	<i>Bend Radius (inch)</i>	2.500
100 ft. Package Length					
<i>Part Number</i>	<i>Price</i>	<i>Color</i>	<i>Package Weight (lbs)</i>		
<a href="#"><u>PE12BLK100</u></a>	\$32.00	Black	3.4		
<a href="#"><u>PE12BLU100</u></a>	\$32.00	Blue	3.4		
<a href="#"><u>PE12NAT100</u></a>	\$32.00	Natural	3.4		
<a href="#"><u>PE12RED100</u></a>	\$32.00	Red	3.4		
<a href="#"><u>PE12YEL100</u></a>	\$30.50	Yellow	3.4		
<a href="#"><u>PE12GRN100</u></a>	\$30.50	Green	3.4		
<a href="#"><u>PE12WHT100</u></a>	\$32.00	White	3.4		
500 ft. Package Length					
<a href="#"><u>PE12BLK500</u></a>	\$145.00	Black	17.0		
<a href="#"><u>PE12BLU500</u></a>	\$145.00	Blue	17.0		
<a href="#"><u>PE12RED500</u></a>	\$145.00	Red	17.0		
<a href="#"><u>PE12YEL500</u></a>	\$145.00	Yellow	17.0		
<a href="#"><u>PE12GRN500</u></a>	\$145.00	Green	17.0		



# Reinforced PVC - Potable Water Hose



Reinforced Construction

HydroMode™ reinforced PVC hose incorporates a polyester spiraled yarn which allows use in higher pressure applications. Hose provides good chemical resistance and is flexible and lightweight. It is Phthalate free and NSF 61® certified for use in potable water and food beverage applications.

## Features

- NSF-61 certified
- Shore A 73 PVC
- Clear blue in color
- Flexible and lightweight
- Phthalate free

### Reinforced PVC - Potable Water Hose

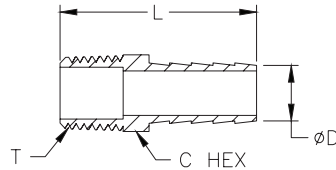
Temp. Range		+15°F to +150°F (-9.4°C to +65.6°C)						
Hardness		Shore A 73 PVC						
Part Number	Price	Hose I.D. (inch)	Hose O.D. (inch)	Working Pressure (psi) @ 70°F	Working Pressure (psi) @ 125°F	Wall Thickness (inch)	PKG Length	Package Weight (lbs)
<a href="#">HBV316-100CBL</a>	\$41.00	0.187	0.375	250	145	0.094	100 ft	4.4
<a href="#">HBV316-300CBL</a>	\$126.00	0.187	0.375	250	145	0.094	300 ft	13.2
<a href="#">HBV14-100CBL</a>	\$49.00	0.250	0.438	250	145	0.094	100 ft	5.8
<a href="#">HBV14-300CBL</a>	\$151.00	0.250	0.438	250	145	0.094	300 ft	17.5
<a href="#">HBV516-100CBL</a>	\$65.00	0.313	0.531	250	130	0.109	100 ft	7.4
<a href="#">HBV516-300CBL</a>	\$194.00	0.313	0.531	250	130	0.109	300 ft	22.2
<a href="#">HBV38-100CBL</a>	\$79.00	0.375	0.594	225	120	0.110	100 ft	9.0
<a href="#">HBV38-300CBL</a>	\$235.00	0.375	0.594	225	120	0.110	300 ft	27.1
<a href="#">HBV12-100CBL</a>	\$91.00	0.500	0.750	200	95	0.125	100 ft	13.3
<a href="#">HBV12-300CBL</a>	\$344.00	0.500	0.750	200	95	0.125	300 ft	40.0
<a href="#">HBV58-100CBL</a>	\$110.00	0.625	0.891	200	95	0.133	100 ft	15.9
<a href="#">HBV58-300CBL</a>	\$409.00	0.625	0.891	200	95	0.133	300 ft	47.8
<a href="#">HBV34-100CBL</a>	\$179.00	0.750	1.030	150	80	0.140	100 ft	20.7
<a href="#">HBV34-300CBL</a>	\$434.00	0.750	1.030	150	80	0.140	300 ft	62.2
<a href="#">HBV1-100CBL</a>	\$258.00	1.000	1.300	125	70	0.150	100 ft	29.1
<a href="#">HBV1-200CBL</a>	\$416.00	1.000	1.300	125	70	0.150	200 ft	58.2



# HydroMode™ Lead Free Brass Adapter Fittings

HydroMode lead free brass fittings are designed for use in potable water and beverage applications. These hose barb adapters work well with PVC hose and stainless steel hose clamps.

**Note: Actual product dimensions and appearance may vary**



HydroMode™ Lead Free Brass Straight Barb Fitting								
Inch Sizes - dimensions in inches [mm]								
Part No.	Price	Description	Parts Per Pkg	Weight	T	L	ØD	C Hex
<a href="#"><u>NLBHB-316-18N</u></a>	\$13.50	Straight barb, 3/16 inch hose to 1/8 inch male NPT	3	0.1	1/8	1.27 [32.1]	0.20 [5.1]	0.44 [11.1]
<a href="#"><u>NLBHB-14-18N</u></a>	\$13.50	Straight barb, 1/4 inch hose to 1/8 inch male NPT	3	0.1	1/8	1.43 [36.3]	0.24 [6.1]	0.44 [11.1]
<a href="#"><u>NLBHB-14-14N</u></a>	\$8.25	Straight barb, 1/4 inch hose to 1/4 inch male NPT	3	0.1	1/4	1.69 [42.9]	0.24 [6.1]	0.56 [14.3]
<a href="#"><u>NLBHB-516-18N</u></a>	\$17.00	Straight barb, 5/16 inch hose to 1/8 inch male NPT	3	0.1	1/8	1.40 [35.6]	0.29 [7.4]	0.44 [11.1]
<a href="#"><u>NLBHB-516-14N</u></a>	\$18.50	Straight barb, 5/16 inch hose to 1/4 inch male NPT	3	0.1	1/4	1.43 [36.3]	0.29 [7.4]	0.56 [14.3]
<a href="#"><u>NLBHB-38-14N</u></a>	\$16.50	Straight barb, 3/8 inch hose to 1/4 inch male NPT	3	0.1	1/4	1.63 [41.5]	0.36 [9.2]	0.56 [14.3]
<a href="#"><u>NLBHB-38-38N</u></a>	\$24.00	Straight barb, 3/8 inch hose to 3/8 inch male NPT	3	0.2	3/8	1.52 [38.6]	0.36 [9.2]	0.69 [17.5]
<a href="#"><u>NLBHB-38-12N</u></a>	\$44.00	Straight barb, 3/8 inch hose to 1/2 inch male NPT	3	0.2	1/2	1.61 [40.9]	0.36 [9.2]	0.88 [22.2]
<a href="#"><u>NLBHB-12-14N</u></a>	\$28.00	Straight barb, 1/2 inch hose to 1/4 inch male NPT	3	0.2	1/4	1.64 [41.8]	0.48 [12.3]	0.56 [14.3]
<a href="#"><u>NLBHB-12-38N</u></a>	\$26.50	Straight barb, 1/2 inch hose to 3/8 inch male NPT	3	0.2	3/8	1.74 [44.1]	0.48 [12.3]	0.69 [17.5]
<a href="#"><u>NLBHB-12-12N</u></a>	\$35.50	Straight barb, 1/2 inch hose to 1/2 inch male NPT	3	0.3	1/2	1.80 [45.7]	0.48 [12.3]	0.88 [22.2]
<a href="#"><u>NLBHB-34-12N</u></a>	\$53.00	Straight barb, 3/4 inch hose to 1/2 inch male NPT	3	0.3	1/2	1.78 [45.2]	0.73 [18.5]	0.88 [22.2]
<a href="#"><u>NLBHB-34-34N</u></a>	\$75.00	Straight barb, 3/4 inch hose to 3/4 inch male NPT	3	0.4	3/4	1.90 [48.3]	0.73 [18.5]	1.06 [27.0]