



neoFit™

PRODUCT CATALOGUE





# Table of Contents

<b>Specification Sheet</b> .....	<b>1</b>
<b>Inch Acetal</b> .....	<b>2</b>
<b>Inch Acetal Swivel</b> .....	<b>8</b>
<b>Metric Acetal</b> .....	<b>10</b>
<b>Metric Acetal Swivel</b> .....	<b>15</b>
<b>Acetal Valves</b> .....	<b>16</b>
<b>Inch Polypropylene White</b> .....	<b>18</b>
<b>Polypropylene White Valves</b> .....	<b>20</b>
<b>LLDPE Tubing</b> .....	<b>21</b>
<b>Accessories</b> .....	<b>22</b>
<b>Chemical Compatibility</b> .....	<b>24</b>

# Technical Specifications

## Reliable Product

neoFit™ was established to produce fittings and valves for water, beverages and drink dispensers. neoFit™ is certified by ISO9001 and ISO14001 in quality management and environmental management system. neoFit™ is proud to claim that our products have been certified by NSF International against NSF/ANSI Standards 51 and 61 for material requirements.

## Easy Operation

neoFit™ is a one-touch connection type without tools. It provides users with a more comfortable and efficient working operation. neoFit™ is highly suitable for water, beverages and drink dispensers.

## Applications and Features

neoFit™ products are designed for water, food, and air contact but can be used with selected gases, vacuum & liquids. Our Oval Collets provide better ergonomics; easier to operate to disconnect. A single action allows the tube to release and connect easily, saving time and expense. neoFit™ products are made of NSF approved non-toxic materials. Various uses depending on the user's environment and application.

## Metric Size Fitting / Inch Size Fitting / Large Size Fitting

One-touch type enabling easy to attach and detach, safe use. NBR O-ring allows excellent sealing function and high durability against leakage. Made of FDA-approved material ensuring its safety, certified as NSF 51, 61. Food and beverage fittings with oval sleeves.

## Range of Products

### Check Valves

Non-return valve that allows fluid to flow only in one direction. Usable for water, food, and beverage. Compact size for confined spaces. Easy to install and convenient to use.

### Flow Control Valves

Valve that discharges constant flow by controlling small flow rate. Usable for water, food, and beverage. Flow rate increase/decrease controller available under any spatial changes. Securable stability under any temperature changes.

### Ball Valves

Valve to open and close the supply of compressed air and water. Usable for air and water, convenient for use in confined space. Size adjustable to fit in the hose. Size adjustable to fit all tube sizes.

### Filter Strainers

Usable for water, food, and beverage. Filter out fine impurities with stainless steel filter net. Easy filter installation and replacement.

### Color Options

Our color options consist of black and grey—with capability of providing white.

### Cartridges

Effectively inserting and using a counterpart with a cavity in the counterpart. Composed of half & full cartridges made of acetal materials.

### Accessories

Locking clips, spanner wrenches, and tube supports are made of FDA-approved material ensuring its safety, certified as NSF 51, 61.

## Specifications

- neoFit™ products are designed for water, food, and air contact.
- Fluid type: Water, Beverages
- Working Pressure: 0-230 PSI / 0-16kgf/cm<sup>2</sup>
- Working Temperature: 34~140° F / 0~60°C
- Applicable Tube: Polyethylene(PE), Polyamide(PA), and Polyurethane(PUO).

## Pressure Ratings

	1/4"(6mm)	3/8"(10mm)	1/2"(22mm)
33°F (0.6°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
68°F (20°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
150°F (65.6°C)	232 psi (16 bar)	203 psi (14 bar)	116 psi (8 bar)

\*Temperatures and Pressures indicated refers to NSF standard limits. Please contact our technical department for higher temperature and /or pressure application needs.\*

## Max Torque Ratings

Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

\*Max torque ratings apply to all thread types

## Acetal Fittings Construction

Acetal, also known as polyoxymethylene (POM), is a versatile engineering thermoplastic material known for its excellent mechanical properties and resistance to various environmental factors. Key features include:

### High Mechanical Strength:

Acetal exhibits high tensile strength, making it suitable for load-bearing applications.

### Chemical Resistance:

It is resistant to many chemicals, including solvents, fuels, and oils, making it suitable for various industrial applications.

### FDA Approval:

Acetal grades are FDA approved for use in food contact applications due to their low toxicity and resistance to moisture absorption.



This fitting is Tested and Certified by NSF International against NSF/ANSI Standard 51, 61 for material requirements only.

Component



## Inch Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W



The neoFit™ Acetal Fittings are manufactured with gray, black, or white acetal copolymer material meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications.

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

Pressure Ratings			
	1/4" (6mm)	3/8" (10mm)	1/2" (22mm)
33°F (0.6°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
68°F (20°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
150°F (65.6°C)	232 psi (16 bar)	203 psi (14 bar)	116 psi (8 bar)

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AMC4M-N1	5/32"	1/8"	10	400
AMC4M-N2	5/32"	1/4"	10	350
AMC3-N1	3/16"	1/8"	10	400
AMC3-N2	3/16"	1/4"	10	350
AMC4-N1	1/4"	1/8"	10	350
AMC4-N2	1/4"	1/4"	10	350
AMC4-N3	1/4"	3/8"	10	300
AMC4-N4	1/4"	1/2"	10	250
AMC8M-N1	5/16"	1/8"	10	350
AMC8M-N2	5/16"	1/4"	10	300
AMC8M-N3	5/16"	3/8"	10	300
AMC8M-N4	5/16"	1/2"	10	250
AMC6-N1	3/8"	1/8"	10	300
AMC6-N2	3/8"	1/4"	10	250
AMC6-N3	3/8"	3/8"	10	250
AMC6-N4	3/8"	1/2"	10	300
AMC8-N3	1/2"	3/8"	10	150
AMC8-N4	1/2"	1/2"	5	150
AMC10-N4	5/8"	1/2"	20	120

Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AMC4M-G1	5/32"	1/8"	10	400
AMC4M-G2	5/32"	1/4"	10	350
AMC3-G1	3/16"	1/8"	10	400
AMC3-G2	3/16"	1/4"	10	350
AMC4-G1	1/4"	1/8"	10	400
AMC4-G2	1/4"	1/4"	10	350
AMC8M-G1	5/16"	1/8"	10	300
AMC8M-G2	5/16"	1/4"	10	300
AMC8M-G3	5/16"	3/8"	10	250
AMC6-G1	3/8"	1/8"	10	300
AMC6-G2	3/8"	1/4"	10	250
AMC6-G3	3/8"	3/8"	10	200
AMC6-G4	3/8"	1/2"	10	150
AMC8-G3	1/2"	3/8"	10	150
AMC8-G4	1/2"	1/2"	10	150

Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AMC4M-R1	5/32"	1/8"	10	400
AMC4M-R2	5/32"	1/4"	10	400
AMC3-R1	3/16"	1/8"	10	
AMC3-R2	3/16"	1/4"	10	
AMC4-R1	1/4"	1/8"	10	350
AMC4-R2	1/4"	1/4"	10	350
AMC4-R3	1/4"	3/8"	10	300
AMC4-R4	1/4"	1/2"	10	
AMC8M-R1	5/16"	1/8"	10	350
AMC8M-R2	5/16"	1/4"	10	300
AMC8M-R3	5/16"	3/8"	10	300
AMC6-R1	3/8"	1/8"	10	300
AMC6-R2	3/8"	1/4"	10	250
AMC6-R3	3/8"	3/8"	10	250
AMC6-R4	3/8"	1/2"	10	250
AMC8-R3	1/2"	3/8"	10	150
AMC8-R4	1/2"	1/2"	10	150

# neoFit™ Fittings Inch Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AMCB3-G1	3/8"	1/8"	10	
AMCB3-G2	3/8"	1/4"	10	



Part Number	Tube OD	Thread MFL	Bag Qty	Box Qty
AMC8M-FL5	5/16"	5/16"	10	
AMC6-FL4	3/8"	1/4"	10	
AMC8M-FL8	5/16"	1/2"	10	



Part Number	Tube OD	Thread BSW	Bag Qty	Box Qty
AMC4-BW9	1/4"	9/16"	10	
AMC8M-BW8	5/16"	1/2"	10	
AMC8M-BW9	5/16"	9/16"	10	
AMC6-BW8	3/8"	1/2"	10	
AMC6-BW9	3/8"	9/16"	10	



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AME4M-N1	5/32"	1/8"	10	400
AME3-N1	3/16"	1/8"	10	400
AME4-N1	1/4"	1/8"	10	400
AME4-N2	1/4"	1/4"	10	300
AME4-N3	1/4"	3/8"	10	250
AME8M-N2	5/16"	1/4"	10	250
AME8M-N3	5/16"	3/8"	10	250
AME6-N2	3/8"	1/4"	10	250
AME6-N3	3/8"	3/8"	10	200
AME6-N4	3/8"	1/2"	10	125
AME8-N3	1/2"	3/8"	5	120
AME8-N4	1/2"	1/2"	5	120
AME10-N4	5/8"	1/2"	20	80



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AEU44M	5/32"	5/32"	10	400
AEU33	3/16"	3/16"	10	400
AEU44	1/4"	1/4"	10	300
AEU84M	5/16"	5/32"	10	300
AEU8M2	5/16"	3/16"	10	
AEU8M4	5/16"	1/4"	10	250
AEU88M	5/16"	5/16"	10	250
AEU63	3/8"	3/16"	10	200
AEU64	3/8"	1/4"	10	200
AEU8M6	3/8"	5/16"	10	200
AEU66	3/8"	3/8"	10	200
AEU68	3/8"	1/2"	10	125
AEU84	1/2"	1/4"	10	
AEU8M8	1/2"	5/16"	10	150
AEU86	1/2"	3/8"	5	125
AEU88	1/2"	1/2"	5	125
AEU1010	5/8"	5/8"	20	80



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ATEU44M	5/32"	5/32"	10	450
ATEU33	3/16"	3/16"	10	450
ATEU36	3/16"	3/8"	10	
ATEU44	1/4"	1/4"	10	400
ATEU48M	5/16"	1/4"	10	
ATEU46	1/4"	3/8"	10	300
ATEU88M	5/16"	5/16"	10	350
ATEU8M6	5/16"	3/8"	10	250
ATEU66	3/8"	3/8"	10	250
ATEU68	3/8"	1/2"	10	
ATEU88	1/2"	1/2"	5	125

Stem Adapter  
NPTF



Part Number	Stem OD	Thread NPTF	Bag Qty	Box Qty
ASA4M-N1	5/32"	1/8"	10	550
ASA4M-N2	5/32"	1/4"	10	450
ASA3-N1	3/16"	1/8"	10	500
ASA4-N1	1/4"	1/8"	10	400
ASA4-N2	1/4"	1/4"	10	300
ASA8M-N1	5/16"	1/8"	10	400
ASA8M-N2	5/16"	1/4"	10	400
ASA8M-N3	5/16"	3/8"	10	250
ASA6-N2	3/8"	1/4"	10	300
ASA6-N3	3/8"	3/8"	10	300
ASA8-N3	1/2"	3/8"	10	250
ASA8-N4	1/2"	1/2"	5	125

Stem Adapter  
BSPT



Part Number	Stem OD	Thread BSPT	Bag Qty	Box Qty
ASA3-R1	3/16"	1/8"	10	500
ASA8M-R2	5/16"	1/4"	10	400
ASA8M-R3	5/16"	3/8"	10	300
ASA6-R2	3/8"	1/4"	10	
ASA6-R3	3/8"	3/8"	10	
ASA8-R4	1/2"	1/2"	10	125

Stem Adapter  
BSW



Part Number	Stem OD	Thread BSW	Bag Qty	Box Qty
ASA8M-BW9	5/16"	9/16"	10	
ASA6-BW8	3/8"	1/2"	10	
ASA6-BW9	3/8"	9/16"	10	

Stem Adapter  
BSP (P)



Part Number	Stem OD	Thread BSP(P)	Bag Qty	Box Qty
ASA6-G2	3/8"	1/4"	10	
ASA6-G3	3/8"	3/8"	10	
ASA6-G4	3/8"	1/2"	10	
ASA8-G4	1/2"	1/2"	10	

Female Adapter  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AFA4-N1	1/4"	1/8"	10	250
AFA4-N2	1/4"	1/4"	10	250
AFA8M-N1	5/16"	1/8"	10	250
AFA8M-N2	5/16"	1/4"	10	250
AFA6-N1	3/8"	1/8"	10	250
AFA6-N2	3/8"	1/4"	10	250

Female Faucet Adapter  
UNS Cone Type



Part Number	Tube OD	Thread UNS	Bag Qty	Box Qty
AFAC4-US7	1/4"	7/16-24	10	300
AFAC8M-US7	5/16"	7/16-24	10	300
AFAC6-US7	3/8"	7/16-24	10	250

Female Adapter  
BSP(P) Flat Type Brass



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFAFB4-G4	1/4"	1/2"	10	
AFAFB4-G6	1/4"	3/4"	10	
AFAF8M-G6	5/16"	3/4"	10	
AFAFB6-G6	3/8"	3/4"	10	

Female Adapter  
UN V-Type



Part Number	Tube OD	Thread UN-V	Bag Qty	Box Qty
AFAV8M-UN8	5/16"	1/2-16	10	250
AFAV6-UN8	3/8"	1/2-16	10	250
AFAV8-UN8	1/2"	1/2-16	10	150

Female Adapter  
Garden Hose FGHT



Part Number	Tube OD	Thread FGHT	Bag Qty	Box Qty
AFA4-NH6	1/4"	3/4"	5	90
AFA8M-NH6	5/16"	3/4"	10	90
AFA6-NH6	3/8"	3/4"	5	90

# neoFit™ Fittings Inch Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

Female Adapter  
UNF V Type



Part Number	Tube OD	Thread UNF	Bag Qty	Box Qty
AFAC4-UF7	1/4"	7/16-20	10	300
AFAC8M-UF7	5/16"	7/16-20	10	300
AFAC6-UF7	3/8"	7/16-20	10	250

Female Adapter  
BSP(P) Flat Type



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFAF8M-G5	5/16"	5/8	10	
AFAF6-G3	3/8"	3/8	10	
AFAF6-G4	3/8"	1/2	10	
AFAF6-G5	3/8"	5/8	10	
AFAF8-G3	1/2"	3/8	10	
AFAF8-G4	1/2"	1/2"	10	
AFAF8-G5	1/2"	5/8"	10	

Female Adapter  
BSP(P) Cone Type



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFAC4-G3	1/4"	3/8	10	200
AFAC4-G4	1/4"	1/2"	5	125
AFAC8M-G3	5/16"	3/8	10	200
AFAC8M-G4	5/16"	1/2"	10	125
AFAC6-G3	3/8"	3/8	5	150
AFAC6-G4	3/8"	1/2"	5	125
AFAC6-G5	3/8"	5/8	10	125
AFAC8-G5	1/2"	5/8	10	100
AFAC8-G4	1/2"	1/2	10	100

Female Adapter  
UNF Cone Type



Part Number	Tube OD	Thread UNF-V	Bag Qty	Box Qty
AFAV4-UF7	1/4"	7/16-20	10	
AFAV8M-UF7	5/16"	7/16-20	10	
AFAV6-UF7	3/8"	7/16-20	10	
AFAV6-UF10	3/8"	5/8"-18	10	

Both Female Union 3/4" Adapter  
BSP(P)



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFUG2-G6	1/4"	3/4"	10	200

Enlarger



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
AEL8M6	3/8"	5/16"	10	
AEL86	1/2"	3/8"	10	

Offset Connector



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AOC64	3/8"	1/4"	10	
AOC8M8	1/2"	5/16"	10	

Stackable Tee



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ATRU444	1/4"	1/4"	10	300
ATRU666	3/8"	3/8"	5	130
ATRU888	1/2"	1/2"	5	90

Branch Stem Tee



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ATBU444	1/4"	1/4"	10	250
ATBU666	3/8"	3/8"	5	125
ATBU888	1/2"	1/2"	5	90

# neoFit™ Fittings Inch Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

## Three Way Divider



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATHWD64	3/8"	1/4"	10	90
ATHWD86	1/2"	3/8"	20	60
ATHWD88	1/2"	1/2"	20	60

## U Bend



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AUB44	1/4"	1/4"	10	
AUB88M	5/16"	5/16"	10	
AUB66	3/8"	3/8"	5	100
AUB88	1/2"	1/2"	5	90

## Two Way Divider



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATWD44M	5/32"	5/32"	10	300
ATWD44	1/4"	1/4"	10	250
ATWD88M	5/16"	5/16"	10	200
ATWD8M6	3/8"	5/16"	10	125
ATWD66	3/8"	3/8"	5	125
ATWD68	3/8"	1/2"	10	60
ATWD88	1/2"	1/2"	20	80

## Tube End Stop



Part Number	Tube OD	Bag Qty	Box Qty
ATES4M	5/32"	10	550
ATES3	3/16"	10	550
ATES4	1/4"	10	450
ATES8M	5/16"	10	400
ATES6	3/8"	10	300
ATES8	1/2"	10	250
ATES10	5/8"	10	150

## Bulkhead Union



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ABU44M	5/32"	5/32"	10	300
ABU33	3/16"	3/16"	10	
ABU44	1/4"	1/4"	10	250
ABU46	1/4"	3/8"	10	100
ABU88M	5/16"	5/16"	10	150
ABU64	3/8"	1/4"	5	100
ABU66	3/8"	3/8"	5	100
ABU88	1/2"	1/2"	5	80

## Plug



Part Number	Tube OD	Bag Qty	Box Qty
APL4M	5/32"	10	600
APL3	3/16"	10	6009
APL4	1/4"	10	550
APL8M	5/16"	10	500
APL6	3/8"	10	400
APL8	1/2"	10	300

## Cross



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ACR44M	5/32"	5/32"	10	250
ACR44	1/4"	1/4"	10	200
ACR88M	5/16"	5/16"	10	150
ACR66	3/8"	3/8"	10	100
ACR88	1/2"	1/2"	10	60

## Stem Barb Elbow Connector



Part Number	Stem OD	Barb ID	Bag Qty	Box Qty
ATEB8M4	5/16"	1/4"	10	400
ATEB68M	3/8"	5/16"	10	350
ATEB66	3/8"	3/8"	10	350

## Cooling Manifold



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ACMT868	1/2"	3/8"	20	60

# neoFit™ Fittings Inch Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

## Union Connector



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AUC44M	5/32"	5/32"	10	400
AUC33	3/16"	3/16"	10	350
AUC4M4	1/4"	5/32"	10	350
AUC43	1/4"	3/16"	10	350
AUC44	1/4"	1/4"	10	350
AUC84M	5/16"	5/32"	10	300
AUC8M3	5/16"	3/16"	10	300
AUC8M4	5/16"	1/4"	10	300
AUC88M	5/16"	5/16"	10	300
AUC4M6	3/8"	5/32"	10	300
AUC63	3/8"	3/16"	10	250
AUC64	3/8"	1/4"	10	250
AUC68M	3/8"	5/16"	10	250
AUC66	3/8"	3/8"	10	200
AUC68	3/8"	1/2"	5	125
AUC75M6	3/8"	7.5 mm	10	
AUC8M8	1/2"	5/16"	5	150
AUC86	1/2"	3/8"	5	125
AUC88	1/2"	1/2"	5	125
AUC12M6	12 mm	3/8"	10	

## Reducer



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ARD4M4	5/32"	1/4"	10	400
ARD8M4	1/4"	5/16"	10	350
ARD46	1/4"	3/8"	10	300
ARD8M6	3/8"	5/16"	10	300
ARD63	3/16"	3/8"	10	300
ARD65	5/16"	3/8"	10	300
ARD68	1/2"	3/8"	10	200
ARD8M8	5/16"	1/2"	5	250
ARD86	3/8"	1/2"	5	200

## Stem Barb Connector



Part Number	Stem OD	Barb ID	Bag Qty	Box Qty
ATBC43	1/4"	3/16"	10	500
ATBC44	1/4"	1/4"	10	400
ATBC88M	5/16"	5/16"	10	400
ATBC8M6	5/16"	3/8"	10	400
ATBC64	3/8"	1/4"	10	400
ATBC68M	3/8"	5/16"	10	400
ATBC66	3/8"	3/8"	10	400
ATBC68	3/8"	1/2"	10	300
ATBC86	1/2"	3/8"	10	300
ATBC88	1/2"	1/2"	10	250

## Tee Union



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATU444M	5/32"	5/32"	300	1500
ATU333	3/16"	3/16"	250	1250
ATU444	1/4"	1/4"	250	1250
ATU888M	5/16"	5/16"	200	1000
ATU68M6	3/8"	5/16"	120	600
ATU610M6	3/8"	10mm	120	600
ATU646	3/8"	1/4"	120	600
ATU666	3/8"	3/8"	120	600
ATU868	1/2"	3/8"	80	400
ATU888	1/2"	1/2"	80	400

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

# neoFit™ Inch Acetal Swivel



The neoFit™ Acetal Fittings are manufactured with gray, black, or white acetal copolymer material meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications. Swivel fittings allow the tube connection to be oriented in any direction while allowing the threaded end to be tightened to proper torque allowance. Swivel fittings are packaged as two separate pieces and require the user to assemble.

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

Pressure Ratings			
	1/4" (6mm)	3/8" (10mm)	1/2" (22mm)
33°F (0.6°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
68°F (20°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
150°F (65.6°C)	232 psi (16 bar)	203 psi (14 bar)	116 psi (8 bar)

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*

Male Branch Tee Swivel  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AMTS4M-N1	5/32"	1/8"	10	
AMTS4M-N2	5/32"	1/4"	10	
AMTS3-N1	3/16"	1/8"	10	
AMTS4-N1	1/4"	1/8"	10	
AMTS4-N2	1/4"	1/4"	10	
AMTS8M-N1	5/16"	1/8"	10	
AMTS8M-N2	5/16"	1/4"	10	
AMTS8M-N3	5/16"	3/8"	10	
AMTS6-N2	3/8"	1/4"	10	
AMTS6-N3	3/8"	3/8"	10	
AMTS8-N3	1/2"	3/8"	10	
AMTS8-N4	1/2"	1/2"	10	

Male Run Tee Swivel  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AMRS4M-N1	5/32"	1/8"	10	
AMRS4M-N2	5/32"	1/4"	10	
AMRS3-N1	3/16"	1/8"	10	
AMRS4-N1	1/4"	1/8"	10	
AMRS4-N2	1/4"	1/4"	10	
AMRS8M-N1	5/16"	1/8"	10	
AMRS8M-N2	5/16"	1/4"	10	
AMRS8M-N3	5/16"	3/8"	10	
AMRS6-N2	3/8"	1/4"	10	
AMRS6-N3	3/8"	3/8"	10	
AMRS8-N3	1/2"	3/8"	10	
AMRS8-N4	1/2"	1/2"	10	

Male Elbow Swivel  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AMES4M-N1	5/32"	1/8"	10	
AMES3-N1	3/16"	1/8"	10	
AMES4-N1	1/4"	1/8"	10	
AMES4-N2	1/4"	1/4"	10	
AMES8M-N1	5/16"	1/8"	10	
AMES8M-N2	5/16"	1/4"	10	
AMES8M-N3	5/16"	3/8"	10	
AMES6-N2	3/8"	1/4"	10	
AMES6-N3	3/8"	3/8"	10	
AMES8-N3	1/2"	3/8"	10	
AMES8-N4	1/2"	1/2"	10	

# neoFit™ Fittings

## Inch Acetal Swivel

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W



Part Number	Tube OD	Thread BPST	Bag Qty
AMES4M-R2	5/32"	1/4"	10
AMES3-R1	3/16"	1/8"	10
AMES3-R2	3/16"	1/4"	10
AMES3-R3	3/16"	3/8"	10
AMES4-R2	1/4"	1/4"	10
AMES4-R3	1/4"	3/8"	10
AMES4-R4	1/4"	1/2"	10
AMES8M-R2	5/16"	1/4"	10
AMES8M-R3	5/16"	3/8"	10
AMES8M-R4	5/16"	1/2"	10
AMES6-R3	3/8"	3/8"	10
AMES6-R4	3/8"	1/2"	10
AMES8-R4	1/2"	1/2"	10



# Metric Acetal

Add **W** to end of part number for white, **-W** for natural white, **-E** for Black, and **-G** for gray. Gray pictured below. Example: **AMC4M-N1-W**



The neoFit™ Acetal Fittings are manufactured with gray, black, or white acetal copolymer material meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications.

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

Pressure Ratings			
	1/4" (6mm)	3/8" (10mm)	1/2" (22mm)
33°F (0.6°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
68°F (20°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
150°F (65.6°C)	232 psi (16 bar)	203 psi (14 bar)	116 psi (8 bar)

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AMC4M-R1	4mm	1/8"	10	400
AMC4M-R2	4mm	1/4"	10	400
AMC5M-R1	5mm	1/8"	10	
AMC5M-R2	5mm	1/4"	10	
AMC6M-R1	6mm	1/8"	10	350
AMC6M-R2	6mm	1/4"	10	350
AMC6M-R3	6mm	3/8"	10	300
AMC6M-R4	6mm	1/2"	10	250
AMC8M-R1	8mm	1/8"	10	350
AMC8M-R2	8mm	1/4"	10	300
AMC8M-R3	8mm	3/8"	10	300
AMC8M-R4	8mm	1/2"	10	250
AMC10M-R1	10mm	1/8"	10	
AMC10M-R2	10mm	1/4"	10	250
AMC10M-R3	10mm	3/8"	10	250
AMC10M-R4	10mm	1/2"	10	200
AMC12M-R3	12mm	3/8"	10	150
AMC12M-R4	12mm	1/2"	10	150



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AEU44M	4mm	4mm	10	400
AEU88MM	5mm	5mm	10	250
AEU64M	6mm	4mm	10	300
AEU66M	6mm	6mm	10	300
AEU84M	8mm	4mm	10	300
AEU86M	8mm	6mm	10	250
AEU88M	8mm	8mm	10	250
AEU106M	10mm	6mm	10	200
AEU108M	10mm	8mm	10	200
AEU1010M	10mm	10mm	10	200
AEU126M	12mm	6mm	10	150
AEU128M	12mm	8mm	10	150
AEU1210M	12mm	10mm	5	125
AEU1212M	12mm	12mm	5	125
AEU1515M	15mm	15	5	80
AEU2222M	22mm	22	20	40



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AME4M-R1	4mm	1/8"	10	400
AME4M-R2	4mm	1/4"	10	300
AME6M-R1	6mm	1/8"	10	400
AME6M-R2	6mm	1/4"	10	300
AME6M-R3	6mm	3/8"	10	250
AME8M-R2	8mm	1/4"	10	250
AME8M-R3	8mm	3/8"	10	250
AME10M-R2	10mm	1/4"	10	250
AME10M-R3	10mm	3/8"	10	200
AME12M-R2	12mm	1/4"	5	125
AME12M-R3	12mm	3/8"	5	125
AME12M-R4	12mm	1/2"	5	120

Male Connector  
BSP(P)



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AMC4M-G1	4mm	1/8"	10	400
AMC5M-G2	5mm	1/4"	10	350
AMC6M-G1	6mm	1/8"	10	400
AMC6M-G2	6mm	1/4"	10	350
AMC8M-G1	8mm	1/8"	10	300
AMC8M-G2	8mm	1/4"	10	300
AMC8M-G3	8mm	3/8"	10	250
AMC8M-G4	8mm	1/2"	10	200
AMC10M-G2	10mm	1/4"	10	250
AMC10M-G3	10mm	3/8"	10	200
AMC10M-G4	10mm	1/2"	5	150
AMC12M-G3	12mm	3/8"	5	150
AMC12M-G4	12mm	1/2"	5	150

Reducer



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ARD45M	4mm	5mm	10	450
ARD46M	4mm	6mm	10	400
ARD48M	4mm	8mm	10	400
ARD68M	6mm	8mm	10	350
ARD88M	8mm	8mm	10	350
ARD106M	6mm	10mm	10	300
ARD1010M	10mm	10mm	10	300
ARD108M	8mm	10mm	10	300
ARD128M	8mm	12mm	10	250
ARD1012M	10mm	12mm	10	200
ARD1015M	10mm	15mm	5	120
ARD1215M	12mm	15mm	5	120

Tube Elbow Union



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ATEU44M	4mm	4mm	10	450
ATEU66M	6mm	6mm	10	400
ATEU68M	6mm	8mm	10	400
ATEU106M	6mm	10mm	10	300
ATEU88M	8mm	8mm	10	350
ATEU108M	8mm	10mm	10	250
ATEU1010M	10mm	10mm	10	250
ATEU1212M	12mm	12mm	5	120
ATEU1515M	15mm	15mm	5	80

Female Adapter  
BSPT



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AFA6M-R1	6mm	1/8"	10	
AFA6M-R2	6mm	1/4"	10	
AFA8M-R1	8mm	1/8"	10	
AFA8M-R2	8mm	1/4"	10	
AFA10M-R1	10mm	1/8"	10	
AFA10M-R2	10mm	1/4"	10	

Female Adapter  
UN V-Type



Part Number	Tube OD	Thread UN	Bag Qty	Box Qty
AFAV8M-UN8	8mm	1/2-16	10	
AFAV10M-UN8	10mm	1/2-16	10	
AFAV12M-UN8	12mm	1/2-16	10	

Female Faucet Adapter  
UNF Cone Type



Part Number	Tube OD	Thread UNF	Bag Qty	Box Qty
AFAC6M-UF7	6mm	7/16-20	10	300
AFAC8M-UF7	8mm	7/16-20	10	300
AFAC10M-UF7	10mm	7/16-20	10	

Female Faucet Adapter  
UNS Cone Type



Part Number	Tube OD	Thread UN	Bag Qty	Box Qty
AFAC6M-US7	6mm	7/16-24	10	300
AFAC8M-US7	8mm	7/16-24	10	300
AFAC10M-US7	10mm	7/16-24	10	

Female Adapter  
BSP(P) Cone Type



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFAC6M-G3	6mm	3/8	10	200
AFAC6M-G4	6mm	1/2"	10	
AFAC8M-G3	8mm	3/8	10	200
AFAC8M-G4	8mm	1/2"	5	125
AFAC10M-G3	10mm	3/8	5	150
AFAC10M-G4	10mm	1/2"	5	125
AFAC10M-G5	10mm	5/8	5	125
AFAC12M-G5	12mm	5/8	5	100

Female Adapter  
BSP(P) Flat Type



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFAF8M-G5	8mm	5/8	10	
AFAF10M-G2	10mm	1/4"	10	
AFAF10M-G4	10mm	1/2"	10	
AFAF10M-G5	10mm	5/8	10	
AFAF12M-G3	12mm	3/8	10	
AFAF12M-G4	12mm	1/2	10	
AFAF12M-G5	12mm	5/8	10	

Female Adapter  
BSP(P) Flat Type



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AFA6M-G6	6mm	3/4"	10	
AFA8M-G6	8mm	3/4"	10	
AFA10M-G6	10mm	3/4"	10	

Female Adapter Garden Hose  
FGHT



Part Number	Tube OD	Thread FGHT	Bag Qty	Box Qty
AFA6M-NH6	6mm	3/4"	5	90
AFA8M-NH6	8mm	3/4"	5	90
AFA10M-NH6	10mm	3/4"	5	90

Female Adapter  
UNF V Type



Part Number	Tube OD	Thread UNF	Bag Qty	Box Qty
AFAV6M-UF7	6mm	7/16-20	10	
AFAV8M-UF7	8mm	7/16-20	10	
AFAV10M-UF7	10mm	7/16-20	10	
AFAV10M-UF10	10mm	5/8-18	10	

Offset Connector



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AOC106M	10mm	6mm	10	
AOC128M	12mm	8mm	10	

Bulkhead Union



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ABU44M	4mm	4mm	10	300
ABU88MM	8mm	8mm	5	150
ABU64M	6mm	4mm	10	250
ABU66M	6mm	6mm	10	250
ABU106M	6mm	10mm	10	
ABU86M	8mm	6mm	5	150
ABU1010M	10mm	10mm	5	100
ABU1212M	12mm	12mm	5	80

Cross



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ACR44M	4mm	4mm	10	
ACR66M	6mm	6mm	10	200
ACR88M	8mm	8mm	5	150
ACR1010M	10mm	10mm	5	100
ACR1212M	12mm	12mm	5	100

# neoFit™ Fittings Metric Acetal

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W



Part Number	Stem OD	Thread BSP(P)	Bag Qty	Box Qty
ASA4M-G1	4mm	1/8"	10	350
ASA4M-G2	4mm	1/4"	10	300
ASA6M-G1	6mm	1/8"	10	350
ASA6M-G2	6mm	1/4"	10	300
ASA8M-G1	8mm	1/8"	10	350
ASA8M-G2	8mm	1/4"	10	300
ASA8M-G3	8mm	3/8"	10	250
ASA10M-G2	10mm	1/4"	10	300
ASA10M-G3	10mm	3/8"	10	250
ASA10M-G4	10mm	1/2"	5	130
ASA12M-G3	12mm	3/8"	10	200
ASA12M-G4	12mm	1/2"	5	130
ASA15M-G3	15mm	3/8"	5	150
ASA15M-G4	15mm	1/2"	5	100
ASA22M-G4	22mm	1/2"	20	100



Part Number	Stem OD	Thread BSPT	Bag Qty	Box Qty
ASA4M-R1	4mm	1/8"	10	550
ASA4M-R2	4mm	1/4"	10	400
ASA6M-R1	6mm	1/8"	10	450
ASA6M-R2	6mm	1/4"	10	350
ASA8M-R1	8mm	1/8"	10	550
ASA8M-R2	8mm	1/4"	10	400
ASA8M-R3	8mm	3/8"	10	300
ASA10M-R2	10mm	1/4"	10	350
ASA10M-R3	10mm	3/8"	10	250
ASA10M-R4	10mm	1/2"	5	150
ASA12M-R3	12mm	3/8"	10	250
ASA12M-R4	12mm	1/2"	5	125



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATHWD106M	10mm	6mm	10	
ATHWD1210M	12mm	10mm	10	



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATU444M	4mm	4mm	10	300
ATU666M	6mm	6mm	10	250
ATU888M	8mm	8mm	10	200
ATU10610M	10mm	6mm	5	120
ATU101010M	10mm	10mm	5	120
ATU121210M	12mm	10mm	5	80
ATU121012M	12mm	10mm	5	80
ATU121212M	12mm	12mm	5	80
ATU151515M	15mm	15mm	3	45
ATU222222M	22mm	22mm	10	20
ATU221222M	22mm	22mm	10	30



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
ATRU444M	4mm	4mm	10	400
ATRU666M	6mm	6mm	10	300
ATRU888M	8mm	8mm	10	220



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AUB66M	6mm	6mm	10	
AUB88M	8mm	8mm	10	
AUB1010M	10mm	10mm	10	
AUB1212M	12mm	12mm	10	

Stem Barb Connector



Part Number	Stem OD	Barb ID	Bag Qty	Box Qty
ATBC64M	6mm	4mm	10	500
ATBC66M	6mm	6mm	10	400
ATBC88M	8mm	6mm	10	400
ATBC106M	10mm	6mm	10	400
ATBC108M	10mm	8mm	10	400
ATBC1010M	10mm	10mm	10	400
ATBC1210M	12mm	10mm	10	300

Two Way Divider  
Divider



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ATWD44M	4mm	4mm	10	300
ATWD66M	6mm	6mm	10	250
ATWD88M	8mm	8mm	10	200
ATWD108M	10mm	8mm	5	125
ATWD1010M	10mm	10mm	5	125
ATWD1012M	10mm	12mm	5	100
ATWD1212M	12mm	12mm	5	80

Tube End Stop



Part Number	Tube OD	Bag Qty	Box Qty
ATES6M	6mm	10	450
ATES8M	8mm	10	400
ATES10M	10mm	10	300
ATES12M	12mm	10	250

Union Connector



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AUC44M	4mm	4mm	10	400
AUC64M	6mm	6mm	10	350
AUC65M	6mm	6mm	10	350
AUC66M	6mm	6mm	10	350
AUC84M	8mm	4mm	10	300
AUC86M	8mm	6mm	10	300
AUC88M	8mm	8mm	10	300
AUC104M	10mm	4mm	10	
AUC105M	10mm	5mm	10	
AUC106M	10mm	6mm	10	250
AUC108M	10mm	8mm	10	250
AUC1010M	10mm	10mm	10	200
AUC128M	12mm	8mm	5	150
AUC1210M	12mm	10mm	5	125
AUC1212M	12mm	12mm	5	125
AUC1515M	15mm	15mm	5	80
AUC2222M	22mm	22mm	20	20

Plug



Part Number	Tube OD	Bag Qty	Box Qty
APL4M	4mm	10	600
APL6M	6mm	10	550
APL8M	8mm	10	500
APL10M	10mm	10	400
APL12M	12mm	10	300
APL15M	15mm	10	200

Stem Barb Elbow Connector



Part Number	Stem OD	Barb ID	Bag Qty	Box Qty
ATEB106M	10mm	6mm	10	350
ATEB108M	10mm	8mm	10	350

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W



# Metric Acetal Swivel



The neoFit™ Acetal Fittings are manufactured with gray, black, or white acetal copolymer material meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications. Swivel fittings allow the tube connection to be oriented in any direction while allowing the threaded end to be tightened to proper torque allowance. Swivel fittings are packaged as two separate pieces and require the user to assemble.

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

Pressure Ratings			
	1/4" (6mm)	3/8" (10mm)	1/2" (22mm)
33°F (0.6°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
68°F (20°C)	290 psi (20 bar)	232 psi (16 bar)	203 psi (14 bar)
150°F (65.6°C)	232 psi (16 bar)	203 psi (14 bar)	116 psi (8 bar)

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AMES4M-R1	4mm	1/8"	10	
AMES4M-R2	4mm	1/4"	10	
AMES8M-R1	8mm	1/8"	10	
AMES8M-R2	8mm	1/4"	10	
AMES8M-R3	8mm	3/8"	10	



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AMES4M-G1	4mm	1/8"	10	
AMES4M-G2	4mm	1/4"	10	
AMES8M-G1	8mm	1/8"	10	
AMES8M-G2	8mm	1/4"	10	
AMES8M-G3	8mm	3/8"	10	



Part Number	Tube OD	Thread BSP(P)	Bag Qty	Box Qty
AMTS4M-G1	4mm	1/8"	10	
AMTS4M-G2	4mm	1/4"	10	
AMTS8M-G1	8mm	1/8"	10	
AMTS8M-G2	8mm	1/4"	10	
AMTS8M-G3	8mm	3/8"	10	



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AMTS4M-R1	4mm	1/8"	10	
AMTS4M-R2	4mm	1/4"	10	
AMTS8M-R1	8mm	1/8"	10	
AMTS8M-R2	8mm	1/4"	10	
AMTS8M-R3	12mm	3/8"	10	

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Example: AMC4M-N1-W

# neoFit™ Acetal Valves



The neoFit™ Acetal Valves are manufactured with gray, black, or white acetal copolymer material meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications.

Temperature	Pressure
33°F (0.6°C)	150 psi
68°F (20°C)	150 psi
150°F (65.6°C)	100 psi

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)

## Flow Control Union Connector



Part Number	Tube OD	Bag Qty	Box Qty
ACVU44	1/4"	10	200
ACVU66	3/8"	5	100
ACVU66M	6mm	10	200
ACVU10M	10mm	5	100

## Flow Control Elbow Union



Part Number	Tube OD	Bag Qty	Box Qty
ACVE44	1/4"	10	200
ACVE66	3/8"	5	100
ACVE66M	6mm	10	200
ACVE1010M	10mm	5	100

## Flow Control Bulkhead



Part Number	Tube OD	Bag Qty	Box Qty
ABCVU44	1/4"	10	200
ABCVU66	3/8"	5	100
ABCVU66M	6mm	10	200
ABCVU1010M	10mm	5	100

## Flow Control Elbow Bulkhead



Part Number	Tube OD	Bag Qty	Box Qty
ABCVE44	1/4"	10	200
ABCVE66	3/8"	5	100
ABCVE66M	6mm	10	200
ABCVE1010M	10mm	5	100

## Hand Valve Female Adapter NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AHVFE4-N2	1/4"	1/4"	10	
AHVFE6-N3	3/8"	3/8"	10	
AHVFE6-N4	3/8"	1/2"	10	
AHVFE10-N6	5/8"	3/4"	20	40
AHVFE6-N2	3/8"	1/4"	20	80
AHVFE8-N2	1/2"	1/4"	20	60

Hand Valve Female Straight Connector  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AHVFU6-N4	10mm	1/2"	10	

Hand Valve Female Straight Connector  
BSPT



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
AHVFU10M-R4	10mm	1/2"	10	

Hand Valve Male Connector  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
AHVMC4-N2	1/4"	1/4"	5	125
AHVMC6-N3	3/8"	3/8"	20	80
AHVMC8-N4	1/2"	1/2"	5	50

Hand Valve Male Connector  
BPST



Part Number	Tube OD	Thread BPST	Bag Qty	Box Qty
AHVMC6M-R2	6mm	1/4"	10	
AHVMC10M-R3	10mm	3/8"	10	
AHVMC12M-R4	12mm	1/2"	10	

Flow Control Male Elbow  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
ACVMC4-N2	1/4"	1/4"	10	
ACVMC6-N3	3/8"	3/8"	10	
ACVMC6M-N2	6mm	1/4"	10	
ACVMC10M-N3	10mm	3/8"	10	

Flow Control Female Elbow  
NPTF



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
ACVFA4-N2	1/4"	1/4"	10	
ACVFA6-N3	3/8"	3/8"	10	
ACVFA6M-N2	6mm	1/4"	10	
ACVFA10M-N3	10mm	3/8"	10	

Angle Stop Adapter  
With 1/2" NPS adapters



Part Number	Tube OD	Thread Comp.	Bag Qty	Box Qty
ASBVA-0408	1/4"	3/8"	10	
ASBVA-0408	3/8"	3/8"	10	

Check Valve



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
ACHV44	1/4"	1/4"	10	250
ACHV88M	5/16"	5/16"	10	200
ACHV66	3/8"	3/8"	5	125
ACHV88	1/2"	1/2"	10	125
ACHV66M	6mm	6mm	10	250
ACHV88M	8mm	8mm	10	200
ACHV1010M	10mm	10mm	5	125
ACHV1212M	12mm	12mm	5	90

Hand Valve Union Connector



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
AHVU44	1/4"	1/4"	5	125
AHVU66	3/8"	3/8"	5	75
AHVU88	1/2"	1/2"	5	70
AHVU66M	6mm	6mm	5	125
AHVU88M	8mm	8mm	5	100
AHVU1010M	10mm	10mm	5	75
AHVU1212M	12mm	12mm	5	70



# Inch Polypropylene White



The neoFit™ Polypropylene Fittings are manufactured white polypropylene material with EPDM O-rings meeting the requirements of FDA and NSF Standards 51 and 61. These fittings are recommended for use with water and food/beverage applications.

Temperature	Pressure
33°F (0.6°C)	150 psi
68°F (20°C)	150 psi
150°F (65.6°C)	60 psi

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
PMC4-N1-W	1/4"	1/8"	10	
PMC4-N2-W	1/4"	1/4"	10	
PMC6-N2-W	3/8"	1/4"	10	
PMC6-N3-W	3/8"	3/8"	10	



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
PME4-N1-W	1/4"	1/8"	10	
PME4-N2-W	1/4"	1/4"	10	
PME4-N3-W	1/4"	3/8"	10	
PME6-N2-W	3/8"	1/4"	10	
PME6-N3-W	3/8"	3/8"	10	



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
PTU444-W	1/4"	1/4"	10	
PTU666-W	3/8"	3/8"	10	
PTU888-W	1/2"	1/2"	10	



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
PTRU444-W	1/4"	1/4"	10	
PTRU666-W	3/8"	3/8"	10	
PTRU888-W	1/2"	1/2"	10	



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
PEU44-W	1/4"	1/4"	10	
PEU66-W	3/8"	3/8"	10	
PEU88-W	1/2"	1/2"	10	



Part Number	Tube OD	Tube OD	Bag Qty	Box Qty
PUC44-W	1/4"	1/4"	10	
PUC88M-W	5/16"	5/16"	10	
PUC66-W	3/8"	3/8"	10	
PUC88-W	1/2"	1/2"	10	

neoFit™ Fittings  
 Inch Polypropylene White



Part Number	Stem OD	Thread NPTF	Bag Qty
PSA4-N1-W	1/4"	1/8"	10
PSA4-N2-W	1/4"	1/4"	10
PSA8M-N2-W	5/16"	1/4"	10
PSA8M-N3-W	5/16"	3/8"	10
PSA6-N2-W	3/8"	1/4"	10
PSA6-N3-W	3/8"	3/8"	10
PSA8-N3-W	1/2"	3/8"	10
PSA8-N4-W	1/2"	1/2"	10



Part Number	Stem OD	Thread NPTF	Bag Qty	Box Qty
PTEU44-W	1/4"	1/4"	10	
PTEU88M-W	5/16"	5/16"	10	
PTEU66-W	3/8"	3/8"	10	
PTEU88-W	1/2"	1/2"	10	



Part Number	Tube OD	Stem OD	Bag Qty	Box Qty
PRD46-W	1/4"	3/8"	10	
PRD68-W	3/8"	1/2"	10	



# Polypropylene White Valves



The neoFit™ Polypropylene Valves are manufactured with white polypropylene material meeting the requirements of FDA and NSF Standards 51 and 61. These valves are recommended for use with water and food/beverage applications.

Temperature	Pressure
33°F (0.6°C)	150 psi
68°F (20°C)	150 psi
150°F (65.6°C)	60 psi

\*Temperatures and Pressures indicated refers to NSF standard limits, Please contact our technical department for higher temperature and /or pressure application needs.\*

Max Torque Ratings					
Thread Size	1/8"	1/4"	3/8"	1/2"	3/4"
Max Torque	1 ft/lb (1.5 Nm)	1 ft/lb (1.5 Nm)	2 ft/lb (3 Nm)	2 ft/lb (3 Nm)	3 ft/lb (4 Nm)



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
PHVMC4-N2-W	1/4"	1/4"	10	
PHVMC6-N3-W	3/8"	3/8"	10	
PHVMC8-N4-W	1/2"	1/2"	10	



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
PHVMC6M-R2-W	6mm	1/4"	10	
PHVMC10M-R3-W	10mm	3/8"	10	
PHVMC12M-R4-W	12mm	1/2"	10	



Part Number	Tube OD	Thread NPTF	Bag Qty	Box Qty
PHVFE4-N2-W	1/4"	1/4"	10	
PHVFE6-N3-W	3/8"	3/8"	10	
PHVFE6-N4-W	3/8"	1/2"	10	
PHVFE8-N3-W	1/2"	3/8"	10	
PHVFE8-N4-W	1/2"	1/2"	10	



Part Number	Tube OD	Thread BSPT	Bag Qty	Box Qty
PHVFE6M-R2-W	6mm	1/4"	10	
PHVFE10M-R3-W	10mm	3/8"	10	
PHVFE10M-R4-W	10mm	1/2"	10	
PHVFE12M-R3-W	12mm	3/8"	10	
PHVFE12M-R4-W	12mm	1/2"	10	

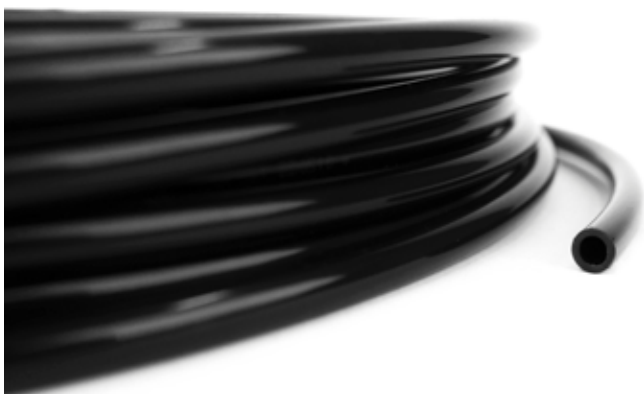


Part Number	Tube OD	Bag Qty	Box Qty
PHVU44-W	1/4"	10	
PHVU88M-W	5/16"	10	
PHVU66-W	3/8"	10	
PHVU88-W	1/2"	10	
PHVU66M-W	6mm	10	
PHVU88M-W	8mm	10	
PHVU1010M-W	10mm	10	
PHVU1212M-W	12mm	10	

# neoFlo™ LLDPE Tubing



neoFlo™ tubing is produced in linear low-density polyethylene (LLDPE), a lightweight, non-toxic material. This tubing is NSF 51 Certified and meets FDA requirements for drinking water applications. Available in a variety of sizes and colors, neoFlo™ tubing is a comprehensive offering for all of your tubing needs.



## Imperial Size

Part Number	Tube OD	Tube ID	Wall Thickness	Bend Radius	Working Pressure (68° F)	Working Pressure (150° F)	Burst Pressure (74° F)	Roll Size
LLDPE-4MM-200M-X	5/32"	0.098"	0.03"	1"	218 psi	116 psi	435 psi	656 ft
LLDPE-3-500-X	5/16"	0.125"	0.03125"	1"	218 psi	116 psi	435 psi	500 ft
LLDPE-4-500-X	1/4"	0.170"	0.04"	1"	218 psi	116 psi	435 psi	500 ft
LLDPE-8MM-500-X	5/16"	0.24"	0.0363"	1.13"	170 psi	116 psi	290 psi	500 ft
LLDPE-6-500-X	3/8"	0.25"	0.0625"	1.25"	170 psi	116 psi	290 psi	500 ft
LLDPE-8-330-X	1/2"	0.375"	0.0625"	2.5"	170 psi	87 psi	290 psi	300 ft

## Metric Size

Part Number	Tube OD	Tube ID	Wall Thickness	Bend Radius	Working Pressure (68° F)	Working Pressure (150° F)	Burst Pressure (74° F)	Roll Size
LLDPE-4MM-200M-X	4mm	2.5mm	0.75mm	25mm	218 psi	116 psi	435 psi	200 m
LLDPE-6MM-100M-X	6mm	4mm	1mm	25mm	218 psi	116 psi	435 psi	100 m
LLDPE-8MM-500-X	8mm	6mm	1mm	25mm	170 psi	116 psi	435 psi	150 m
LLDPE-10MM-100M-X	10mm	7mm	1.5mm	32mm	170 psi	116 psi	290 psi	100 m
LLDPE-12MM-100M-X	12mm	9mm	1.5mm	63mm	170 psi	116 psi	290 psi	100 m

## Color Key



Black = E    Blue = B    Green = G    Natural = N    Red = R    White = W    Yellow = Y

To order: Replace the -X with the color code for the color you want.

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

## neoFit<sup>™</sup> Accessories



The neoFit<sup>™</sup> accessories are manufactured to be used with the neoFit<sup>™</sup> family of fittings. All materials used in the manufacture of these parts are food grade rated. These fittings are recommended for use with water and food/beverage applications.

### Tube Support



Part Number	Tube OD	Tube ID	Bag Qty	Box Qty
ATS44	1/4"	0.17	10	
ATS8M	5/16"	1/4"	10	
ATS66	3/8"	5/16"	10	
ATS88	1/2"	3/8"	10	
ATS6M	6mm	4mm	10	
ATS8M	8mm	6mm	10	
ATS10M	10mm	7mm	10	
ATS12M	12mm	9mm	10	

### Double Seal Insert



Part Number	Tube OD	Tube ID	Bag Qty	Box Qty
ADSI6	3/8"	5/16"	10	
ADSI8M	8mm	6mm	10	
ADSI10M	10mm	8mm	10	
ADSI12M	12mm	10mm	10	

### Collet Cover



Part Number	Tube OD	Bag Qty
ACC4	1/4"	10
ACC8M	5/16"	10
ACC6	3/8"	10
ACC8	1/2"	10
ACC6M	6mm	10
ACC8M	8mm	10
ACC10M	10mm	10
ACC12M	12mm	10

### Locking Clip



Part Number	Tube OD	Bag Qty	Box Qty
ALC4	1/4"	1000	13000
ALC8M	5/16"	10	
ALC6	3/8"	1000	8000
ALC8	1/2"	1000	6000
ALC6M	6mm	10	
ALC8M	8mm	10	
ALC10M	10mm	10	
ALC12M	12mm	10	

### Flow Bend Clip



Part Number	Tube OD	Bag Qty	Box Qty
AFBC8M	5/16"	10	
AFBC6	3/8"	10	
AFBC8M	8mm	10	
AFBC10M	10mm	10	

### Half Cartridge Brass, EDPM O Ring



Part Number	Tube OD	Bag Qty	Box Qty
HCBE-4M	5/32"	10	
HCBE-4	1/4"	10	
HCBE-8M	5/16"	10	
HCBE-6	3/8"	10	
HCBE-4M	1/2"	10	

# neoFit™ Fittings Accessories

Add W to end of part number for white, -W for natural white, -E for Black, and -G for gray. Gray pictured below. Example: AMC4M-N1-W

Half Cartridge  
Brass, EDPM O Ring



Part Number	Tube OD	Box Qty
HCBE-4M	4mm	1000
HCBE-6M	6mm	1000
HCBE-8M	8mm	1000
HCBE-10M	10mm	1000
HCBE-12M	12mm	500

Half Cartridge  
Acetal, EDPM O Ring



Part Number	Tube OD	Box Qty
HCAE-4M	5/32"	1000
HCAE-4	1/4"	1000
HCAE-8M	5/16"	1000
HCAE-6	3/8"	1000
HCAE-8	1/2"	500

Half Cartridge  
Acetal, EDPM O Ring



Part Number	Tube OD	Box Qty
HCAE-4M	4mm	1000
HCAE-6M	6mm	1000
HCAE-8M	8mm	1000
HCAE-10M	10mm	1000
HCAE-12M	12mm	500

Half Cartridge  
Acetal, NBR O Ring



Part Number	Tube OD	Box Qty
HCAB-4M	5/32"	1000
HCAB-4	1/4"	1000
HCAB-8M	5/16"	1000
HCAB-6	3/8"	1000
HCAB-8	1/2"	500

Half Cartridge  
Acetal, NBR O Ring



Part Number	Tube OD	Box Qty
HCAB-4M	4mm	1000
HCAB-6M	6mm	1000
HCAE-8M	8mm	1000
HCAB-10M	10mm	1000
HCAB-12M	12mm	500

Filter Strainer



Part Number	Tube OD	Mesh	Bag Qty	Box Qty
AFS44-G-100	1/4"	100	20	60
AFS44-G-200	1/4"	200	20	60
AFS88M-G-100	5/16"	100	20	60
AFS88M-G-200	5/16"	200	20	60
AFS66-G-100	3/8"	100	20	60
AFS66-G-200	3/8"	200	20	60
AFS88-G-100	1/2"	100	20	60
AFS88-G-200	1/2"	200	20	60

Filter Strainer



Part Number	Tube OD	Mesh	Bag Qty	Box Qty
AFS66M-G-100	6mm	100	20	60
AFS66M-G-200	6mm	200	20	60
AFS88M-G-100	8mm	100	20	60
AFS88M-G-200	8mm	200	20	60
AFS1010M-G-100	10mm	100	20	60
AFS1010M-G-200	10mm	200	20	60
AFS1212M-G-100	12mm	100	20	60
AFS1212M-G-200	12mm	200	20	60

- Although the compatibility is proved as Excellent or Good, it may not suitable in some purposes of applications.
- Be sure to refer in actual using condition

Chemical Name Density (%), Temperature (°C)	FITTING						TUBE				SEAL		
	BRASS	SUS304	SUS316	POM	PBT	PP	URETHANE	NYLON	POLYOLEFIN	FLUORINE	NBR	EPDM	FKM
Caustic soda (10% 20°C)	△	△	○	⊗	△	○	×	○	○	⊗	○	⊗	○
Caustic soda (30% 20°C)	-	-	-	⊗	×	○	×	○	○	⊗	-	-	-
Caustic soda (30% 70°C)	-	-	-	○	×	△	×	×	△	○	-	-	-
Gasoline	○	○	○	⊗	⊗	△	○	⊗	△	⊗	⊗	×	⊗
Air	⊗	⊗	⊗	⊗	⊗	⊗	○	○	○	○	⊗	⊗	⊗
Sodium perborate	×	-	○	○	○	○	-	○	○	⊗	○	⊗	⊗
Sodium peroxide	×	-	○	-	-	○	-	×	○	⊗	○	⊗	⊗
Hydrogen peroxide (5%,20°C)	×	○	○	○	○	⊗	○	⊗	⊗	⊗	-	-	-
Hydrogen peroxide (5%,20°C)	×	○	○	△	○	⊗	△	△	⊗	⊗	-	-	-
Hydrogen peroxide 30%,20°C)	×	○	○	×	○	○	×	×	○	⊗	-	-	-
Perchloric acid	×	×	×	×	○	○	×	×	○	○	-	○	⊗
Grease	○	⊗	⊗	⊗	⊗	△	○	⊗	△	⊗	⊗	×	⊗
Sodium silicate	△	-	○	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Glycerin	○	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗
Naphtha	△	○	○	⊗	○	△	△	○	△	⊗	△	×	⊗
Naphthaline	△	-	△	⊗	○	○	△	⊗	△	⊗	×	×	⊗
Nitropropane	-	-	-	○	-	○	-	-	○	○	-	-	-
Kerosene	⊗	⊗	⊗	⊗	⊗	△	⊗	⊗	△	⊗	⊗	×	⊗
Dichloro benzene	△	-	-	△	△	△	×	△	×	⊗	-	-	-
Linoleic acid	-	-	-	○	-	△	-	△	△	○	○	×	○
Maleic acid	-	△	△	-	-	⊗	△	⊗	⊗	⊗	-	△	⊗
Cottonseed oil	△	○	○	⊗	-	○	⊗	⊗	○	⊗	⊗	⊗	⊗
Methane	○	-	△	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	×	⊗
Methyl alcohol(Methanol)	⊗	△	○	○	○	○	△	○	○	⊗	⊗	⊗	△
Methyl ethyl ketone(MEK)	⊗	△	○	○	○	○	×	○	○	○	×	⊗	×
Methyl isobutyl ketone(MIBK)	△	-	△	○	○	○	×	○	○	⊗	×	△	×
Monoethanolamine	-	-	△	○	-	○	-	○	△	○	×	○	×
Monochlorobenzene	-	-	-	○	-	×	×	×	×	○	×	×	⊗
Chloroacetic acid	-	-	-	△	△	×	×	×	×	○	-	-	-
Hydrofluoric acid Anhydride	×	-	×	×	-	×	×	×	×	○	-	○	-
Acetic Anhydride	×	○	○	×	-	△	×	×	△	○	△	○	×
Water (24°C)	○	○	○	⊗	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Water (100°C)	×	○	○	△	×	△	△	△	△	⊗	-	-	-
Sea Water	△	○	○	⊗	○	⊗	⊗	⊗	⊗	⊗	-	-	-
Bunker oil	△	-	○	-	-	○	-	○	○	-	⊗	-	⊗
Benzene(Benzol)	×	△	△	○	○	△	×	○	×	⊗	×	×	⊗
Butane	⊗	⊗	⊗	⊗	⊗	⊗	-	○	△	⊗	⊗	×	⊗
Fluorine	×	×	△	×	-	×	×	-	×	×	-	△	○
Borax	×	-	○	-	-	⊗	⊗	⊗	⊗	⊗	○	⊗	⊗
Boric acid	○	○	○	○	○	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Amyl borate	-	-	-	○	-	△	-	-	△	○	⊗	×	⊗
Bromine	×	-	×	×	×	△	×	×	×	⊗	-	-	⊗
Arsenic acid	△	○	○	-	-	○	-	△	○	○	-	-	-
Carbon tetrachloride	△	△	△	○	○	△	×	△	×	⊗	△	×	⊗
Oxygen	⊗	⊗	⊗	○	○	○	○	○	○	⊗	○	⊗	⊗
Petroleum	-	-	-	○	○	×	⊗	⊗	×	⊗	⊗	×	⊗

Chemical Compatibility Table

Judgement Standard    ⊙ : Excellent    ○ : Good    △ : Required confirmation    × : Incompatible    - : No data

Chemical Name Density (%), Temperature (°C)	FITTING						TUBE				SEAL		
	BRASS	SUS304	SUS316	POM	PBT	PP	URETHANE	NYLON	POLYOLEFIN	FLUORINE	NBR	EPDM	FKM
Salt Water	×	△	△	⊙	○	○	-	○	○	○	-	-	-
Soda water	-	-	-	⊙	○	○	○	○	○	○	-	-	-
Soda ash Sodium carbonate	○	△	△	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Pine oil	△	○	⊙	-	○	○	-	×	○	○	○	×	⊙
Oxalic acid	△	△	△	×	○	⊙	△	⊙	⊙	⊙	○	⊙	⊙
Ethyl oxalate	-	-	-	○	○	×	×	○	×	○	×	⊙	⊙
Magnesium hydroxide	△	-	△	⊙	×	○	△	⊙	⊙	⊙	○	⊙	⊙
Barium hydroxide	×	-	⊙	⊙	△	○	-	○	○	⊙	⊙	⊙	⊙
Ammonium hydroxide	×	△	○	⊙	×	⊙	△	○	⊙	⊙	×	⊙	○
Potassium hydroxide	△	△	△	⊙	×	○	△	△	⊙	⊙	○	⊙	○
Calcium hydroxide	△	△	△	⊙	×	○	△	⊙	⊙	⊙	⊙	⊙	⊙
Hydrogen	△	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Mercury	×	-	△	-	-	⊙	-	○	○	○	⊙	⊙	⊙
Steam (150 )	○	-	○	△	△	×	×	×	×	○	×	⊙	×
Steam (150 )	-	-	-	×	×	△	×	×	×	○	×	○	×
Vegetable oil	-	-	-	○	○	○	-	○	○	○	⊙	⊙	⊙
Salt water	△	△	△	⊙	○	⊙	○	⊙	⊙	⊙	-	-	-
Silicone greases	-	-	-	⊙	⊙	△	-	○	△	○	⊙	⊙	⊙
Silicone oil	-	-	-	⊙	⊙	△	-	○	△	○	⊙	⊙	⊙
Glue	△	-	△	-	-	⊙	-	○	○	⊙	-	-	-
Aniline	×	△	△	○	○	△	×	×	×	○	×	○	△
Amyl naphthalene	-	-	-	⊙	⊙	△	-	-	△	○	×	×	⊙
Amyl alcohol	○	△	△	⊙	⊙	○	○	○	○	○	○	⊙	○
Acetone	⊙	△	○	○	○	△	×	○	△	○	×	⊙	×
Acetamide	-	-	-	○	○	△	-	-	△	○	⊙	⊙	○
Acetaldehyde	⊙	○	⊙	○	○	○	○	○	△	○	×	⊙	×
Acetylene	×	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	⊙	⊙
Sulfurous acid	×	△	△	×	○	○	×	×	○	⊙	○	○	⊙
Sulfurous acid gas	-	-	○	△	○	○	×	×	△	⊙	○	○	⊙
Sodium sulfite	○	○	⊙	⊙	○	○	-	△	○	⊙	-	-	-
Ammonia	△	⊙	⊙	○	△	○	-	○	○	⊙	⊙	⊙	×
Ammonia gas	×	○	○	○	△	△	×	△	△	○	⊙	⊙	×
Ammonia gas	×	○	○	○	×	×	×	×	×	○	⊙	⊙	×
Liquid Ammonia	○	⊙	⊙	○	△	○	-	○	○	○	-	-	-
Chlorine Liquide	-	-	-	×	○	×	×	×	×	○	-	-	-
Liquefied petroleum gas(LPG)	⊙	⊙	⊙	⊙	⊙	△	-	○	△	○	⊙	×	⊙
Ethanolamine	-	-	-	⊙	△	△	-	△	△	○	○	○	×
Ethylene glyco	△	△	△	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Ethyl cellulose	-	-	△	⊙	⊙	⊙	-	-	○	⊙	-	○	×
Ethyl alcohol(Ethanol)	⊙	○	⊙	⊙	⊙	○	△	○	○	⊙	⊙	⊙	⊙
Lye solution	-	-	-	⊙	○	○	-	○	○	○	○	⊙	○
Hydrochloric acid(10%, 20°C)	×	×	×	×	○	⊙	△	○	⊙	⊙	-	-	-
Hydrochloric acid(20%, 20°C)	×	×	×	×	△	○	×	×	○	⊙	-	-	-
Hydrochloric acid(20%, 80°C)	×	×	×	×	×	×	×	×	×	○	×	△	⊙
Hydrochloric acid(38%, 20°C)	×	×	×	×	△	○	×	×	○	⊙	○	⊙	⊙
Magnesium chloride	△	△	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

Chemical Compatibility Table

Judgement Standard	⊙: Excellent	○: Good	△: Required confirmation	×: Incompatible	—: No data
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Chemical Name Density (%), Temperature (°C)	FITTING						TUBE				SEAL		
	BRASS	SUS304	SUS316	POM	PBT	PP	URETHANE	NYLON	POLYOLEFIN	FLUORINE	NBR	EPDM	FKM
Methyle chloride	○	○	⊙	⊙	—	×	×	△	×	○	×	△	⊙
Barium chloride	×	—	○	—	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Zinc chloride	×	△	○	×	○	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙
Acetyl chloride	—	—	△	×	—	×	×	×	×	—	—	—	⊙
Aluminium chloride	×	×	×	—	○	⊙	—	△	○	⊙	⊙	⊙	⊙
Ammonium chloride	×	△	△	⊙	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙
Ethyle chloride	○	⊙	⊙	⊙	—	×	×	⊙	×	—	⊙	⊙	⊙
Sulfur chloride	×	—	△	—	—	△	—	—	△	⊙	△	×	⊙
Kalium chloride	△	△	○	⊙	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙
Calcium chloride	○	△	△	⊙	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙
Ozone	○	○	○	△	⊙	△	△	○	△	⊙	○	⊙	⊙
Oleic acid	△	△	△	△	⊙	○	△	○	△	⊙	△	○	○
Olive oil	△	⊙	⊙	○	⊙	○	○	○	○	⊙	⊙	○	⊙
Uric acid	—	—	—	○	○	—	×	○	—	○	—	—	—
Aqua acid	—	—	—	×	—	△	×	×	×	○	—	△	○
Lactic acid	×	△	△	○	○	⊙	—	○	○	⊙	⊙	⊙	⊙
Sulfur	×	○	○	⊙	—	⊙	△	○	⊙	⊙	×	⊙	⊙
Lubricating oil(Pertroleum base)	⊙	⊙	⊙	⊙	⊙	×	⊙	⊙	×	⊙	⊙	×	⊙
Lubricating oil(Easter base)	⊙	⊙	⊙	⊙	○	×	×	○	×	○	—	—	—
Isooctane	⊙	○	○	⊙	⊙	×	△	○	×	○	⊙	×	⊙
Isopropyl alcohol	○	○	○	⊙	○	⊙	—	△	⊙	⊙	○	⊙	⊙
Isopropyl ether	⊙	○	○	⊙	○	○	—	△	△	○	○	×	×
Carbon disulfide	○	○	○	○	—	×	×	○	×	○	△	×	⊙
Phenyle disulfide	—	—	—	—	—	—	△	○	—	○	—	—	—
Carbon monoxide	⊙	⊙	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Gelatin	⊙	⊙	⊙	⊙	○	○	○	○	○	○	⊙	⊙	⊙
Heavy water	—	—	—	⊙	○	⊙	⊙	⊙	⊙	⊙	—	—	—
Soap souldions	⊙	⊙	⊙	⊙	○	○	○	⊙	△	⊙	⊙	⊙	⊙
Sodium nitrate	○	○	⊙	○	○	⊙	○	⊙	⊙	⊙	○	⊙	—
Aluminium nitric	—	—	△	○	○	○	△	○	○	⊙	⊙	⊙	—
Ammonium nitric	×	○	○	○	○	⊙	○	⊙	⊙	⊙	⊙	⊙	—
Kalium nitric	△	△	△	○	○	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙
Calcium nitri	—	—	—	○	○	⊙	—	○	○	⊙	⊙	⊙	⊙
Nitrogen	○	⊙	⊙	⊙	○	⊙	○	○	○	⊙	⊙	⊙	⊙
Natural gas	⊙	⊙	⊙	⊙	⊙	○	—	○	○	○	⊙	×	⊙
Acetic acid(10%, 20°C)	×	○	⊙	△	○	⊙	×	△	⊙	⊙	○	⊙	○
Acetic acid(50%, 20°C)	×	○	○	×	○	○	×	×	○	○	—	—	—
Acetic acid(50%, 70°C)	×	○	○	×	△	×	×	×	×	○	—	—	—
Acetic acid(100%, 20°C)	×	△	△	×	△	×	×	×	×	○	—	—	—
Lead acetate	—	△	—	—	○	○	—	○	○	○	○	⊙	—
Nickel acetate	—	—	△	—	○	⊙	—	○	○	⊙	○	⊙	×
Zinc acetate	—	—	—	○	○	○	—	○	○	○	○	⊙	×
Aluminium acetate	—	—	—	○	○	○	—	○	○	○	○	⊙	—
Calcium acetate	△	—	△	○	○	⊙	○	○	○	⊙	○	⊙	×
Cresol	○	△	⊙	△	○	○	×	×	△	⊙	△	×	⊙
Chlorosulfonic acid	△	×	×	×	○	×	—	×	×	○	×	×	△

Chemical Compatibility Table

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Chemical Name Density (%), Temperature (°C)	FITTING						TUBE				SEAL		
	BRASS	SUS304	SUS316	POM	PBT	PP	URETHANE	NYLON	POLYOLEFIN	FLUORINE	NBR	EPDM	FKM
Chloroacetone	-	-	-	-	-	×	-	-	×	-	×	⊙	×
Chlorotoluene	-	-	-	○	○	×	-	×	×	○	×	×	⊙
Chloroform	○	○	○	△	△	×	×	○	×	⊙	×	×	⊙
Soybean oil	△	○	○	⊙	⊙	○	-	○	○	⊙	⊙	△	⊙
Tannic acid	×	△	△	○	-	⊙	△	⊙	⊙	⊙	⊙	⊙	⊙
Tar	△	⊙	⊙	-	-	○	⊙	⊙	○	⊙	○	×	⊙
Carbonic acid	○	△	△	-	-	○	△	⊙	○	⊙	⊙	⊙	⊙
Carbon dioxide	○	○	○	⊙	⊙	⊙	○	○	○	⊙	-	-	-
Sodium carbonate	○	△	△	⊙	○	⊙	⊙	⊙	⊙	⊙	-	-	-
Ammonium carbonate	-	△	△	⊙	○	○	-	○	○	⊙	×	⊙	-
Toluene	⊙	⊙	⊙	○	△	△	△	○	△	○	×	×	⊙
Triacetin	-	-	-	-	-	○	-	-	○	-	○	⊙	×
Phenol	○	○	○	×	○	○	×	×	○	⊙	-	○	⊙
Glucose	⊙	⊙	⊙	⊙	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙
Freon11	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	⊙	×	⊙
Freon12	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	⊙	○	○
Freon21	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	×	×	×
Freon22	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	×	⊙	×
Freon113	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	⊙	×	○
Freon114	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	⊙	⊙	○
Propane	⊙	⊙	⊙	⊙	⊙	⊙	○	⊙	⊙	⊙	⊙	×	⊙
Propylene	⊙	⊙	⊙	⊙	⊙	-	-	○	-	○	×	×	⊙
Castor oil	○	○	○	○	○	⊙	△	⊙	⊙	⊙	⊙	○	⊙
Hexane	○	○	○	⊙	⊙	△	○	⊙	×	⊙	⊙	×	⊙
Sulfuric acid (10%, 20°C)	×	×	×	×	○	○	×	○	○	⊙	×	○	⊙
Sulfuric acid (10%, 70°C)	×	×	×	×	×	△	×	×	△	⊙	-	-	-
Sulfuric acid (30%, 20°C)	×	×	×	×	△	○	×	×	○	⊙	-	-	-
Sulfuric acid (30%, 70°C)	×	×	×	×	×	△	×	×	△	○	-	-	-
Sulfuric acid (98%, 20°C)	×	×	×	×	×	×	×	×	×	○	-	-	-
Sulfuric acid (98%, 70°C)	×	×	×	×	×	×	×	×	×	○	-	-	-
Sodium sulfate	○	△	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Nickel sulfate	-	△	○	-	○	○	-	○	○	⊙	⊙	⊙	⊙
Copper sulfate	○	△	○	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Magnesium sulfate	○	○	⊙	-	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Metyl sulfate	-	-	-	-	○	×	×	△	×	⊙	-	-	-
Barium sulfate	△	○	○	-	○	○	-	○	○	⊙	⊙	⊙	⊙
Aluminium sulfate	×	○	○	⊙	○	⊙	-	⊙	⊙	⊙	⊙	⊙	⊙
Ammonium sulfate	△	△	△	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	-
Lead sulfate	△	-	△	-	○	○	○	○	○	⊙	-	-	-
Sodium sulfide	×	△	△	○	○	○	○	○	○	⊙	○	⊙	⊙
Barium sulfide	-	-	○	○	○	○	-	○	○	⊙	⊙	⊙	⊙
Zinc sulfide	△	○	○	○	○	⊙	△	×	⊙	⊙	-	-	-
Calcium sulfide	-	-	△	○	○	○	-	○	○	⊙	○	⊙	⊙