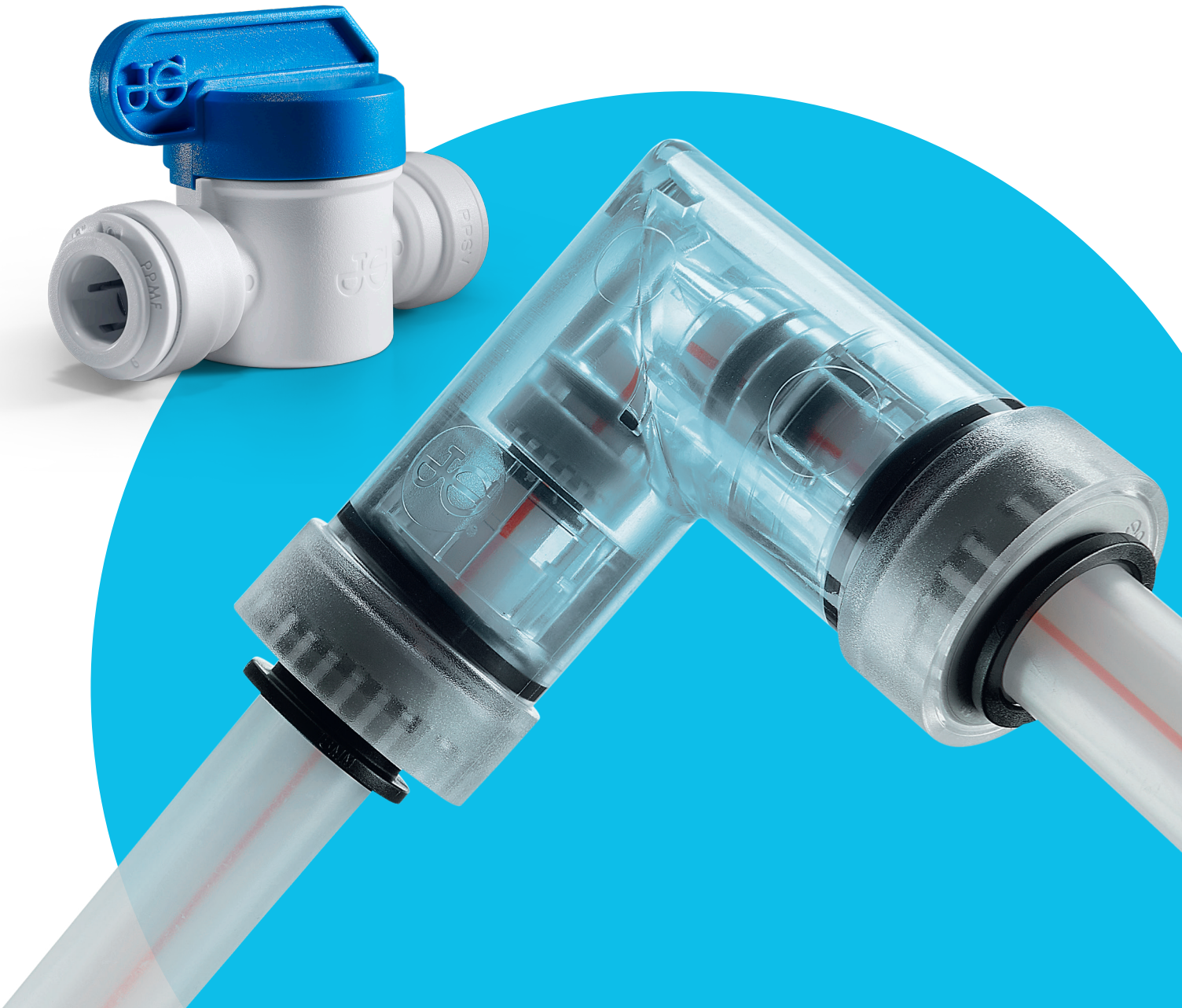
John Guest®

Pure and simple **push-fit solutions**

for drinks dispense and water treatment

August 2022



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One family

Reliance Worldwide Corporation (RWC) and its family of brands transform the way pipe connections are made across the globe for a diverse range of sectors such as drinks dispense, plumbing & heating, compressed air & pneumatics, telecoms and automotive.





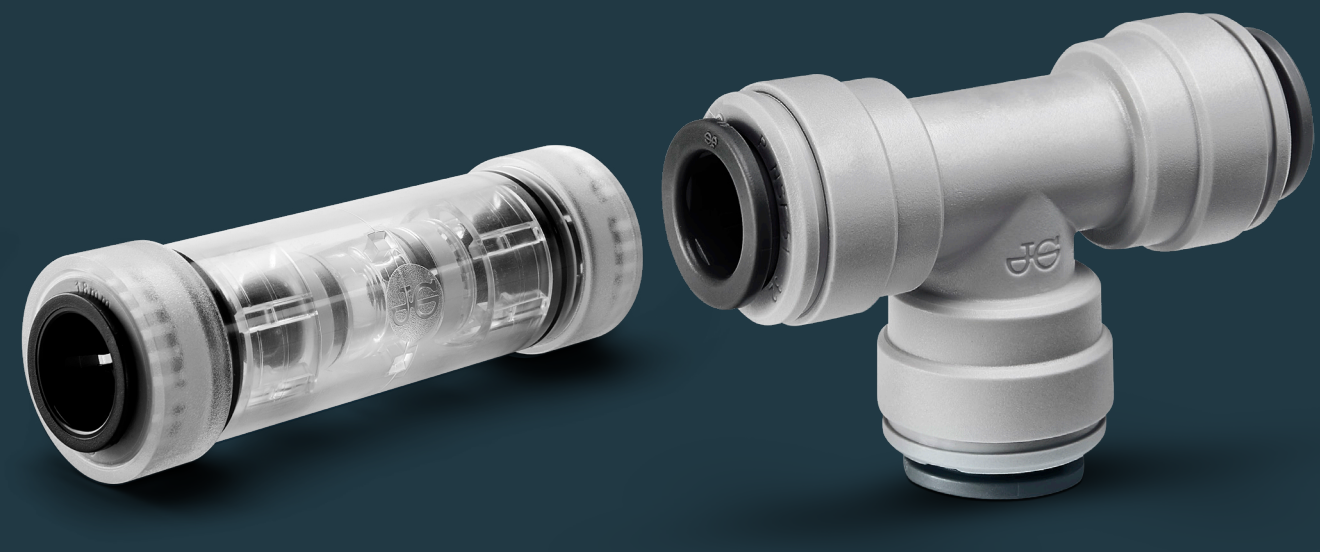
# of brands

Millions of connections made worldwide

Both market leaders and niche players have been using our push-fit technology for more than five decades to solve the key challenges they face. Why? Because the clever science behind our solutions ensure optimal performance, while providing fast, simple and reliable installation.

Precision engineering and world-class quality

Innovative design is at our core. It means clever, time-saving solutions for you, engineered with lasting quality you can rely on. From state-of-the-art R&D to world-class product testing and quality control, our innovations are the by-product of pure engineering mastery. The same ethos drives our customer service and design service, ensuring we provide expert support whenever you need it.

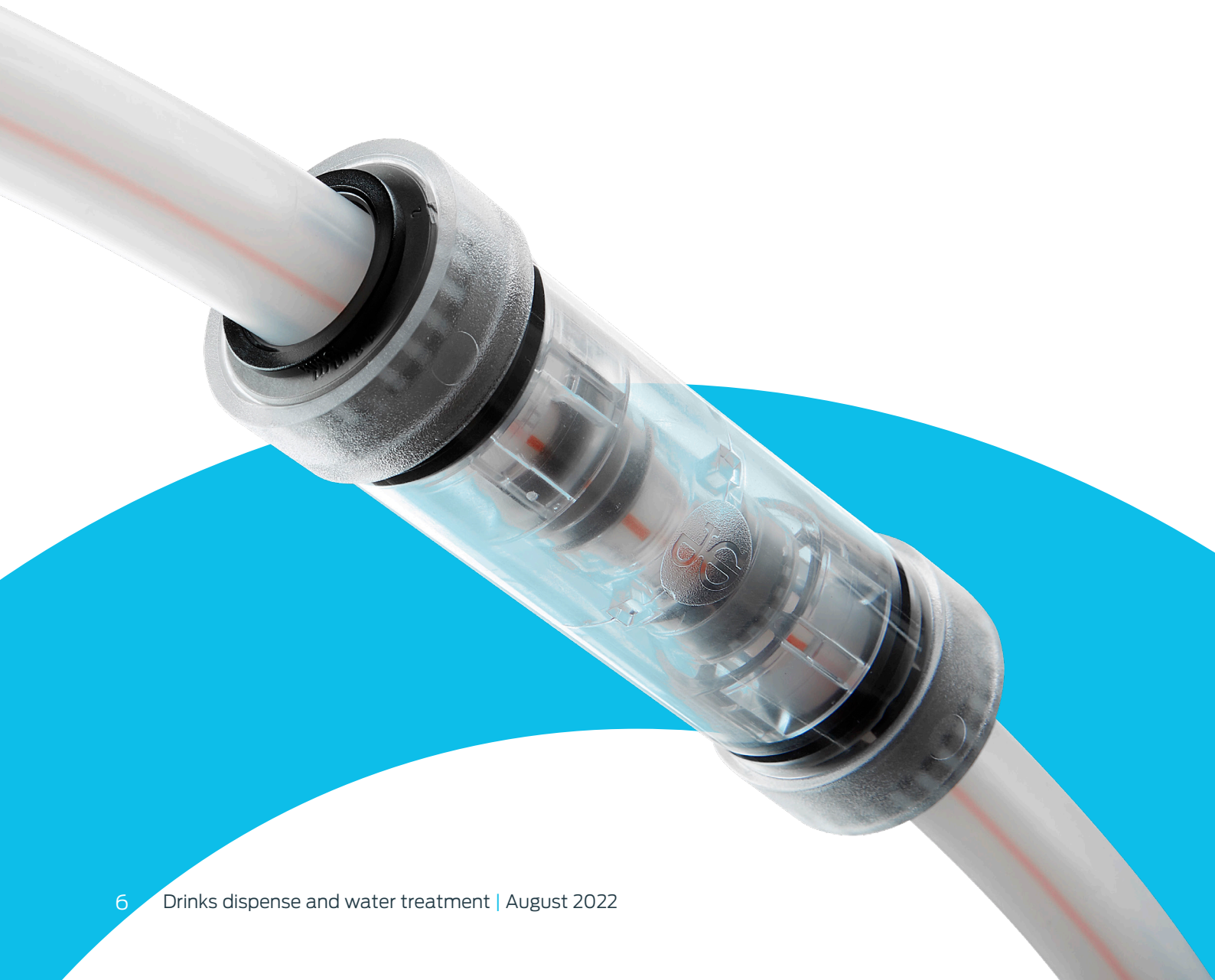


NSF | bsi. ISO 9001:2015 Quality Management | WRAS APPROVED PRODUCT

Fast, reliable and efficient solutions for drinks dispense and water purification

John Guest has over 40 years' experience in developing market-leading fittings, valves and tubing for drinks dispense and water purification. From the world's first food grade push-fit fitting in the 1980s to our latest JG PolarClean innovation, we work closely with our customers to understand their needs and design unique problem-solving solutions.

From point of entry to point of use through to equipment connections, our extensive range of push-fit solutions enhance system performance and deliver installation and operational efficiencies without compromising quality or purity.



Great tasting drinks served every time

Suitable for water dispensers and coolers, hot brewing appliances, beverage vending machines, ice makers and beer dispensers, our extensive range delivers fresh tasting drinks every time.

Pure and simple water purification

Suitable for domestic water to commercial systems, we offer a wide range of solutions ideal for softening, conditioning, filtering, reverse osmosis, cleaning, sanitising, and more.

Benefits

- Instant push-fit connection and leak tight seal
- Connect, disconnect and reconnect in seconds without tools
- No scale build up improves performance and equipment lifespan
- Non-toxic food grade material
- Superior flow characteristics
- Suitable for soft metal or plastic tubes



How Super Speedfit works

To make a connection, the tube is simply pushed in by hand; the unique patented John Guest collet locking system then holds the tube firmly in place without deforming it or restricting flow.

Materials of construction

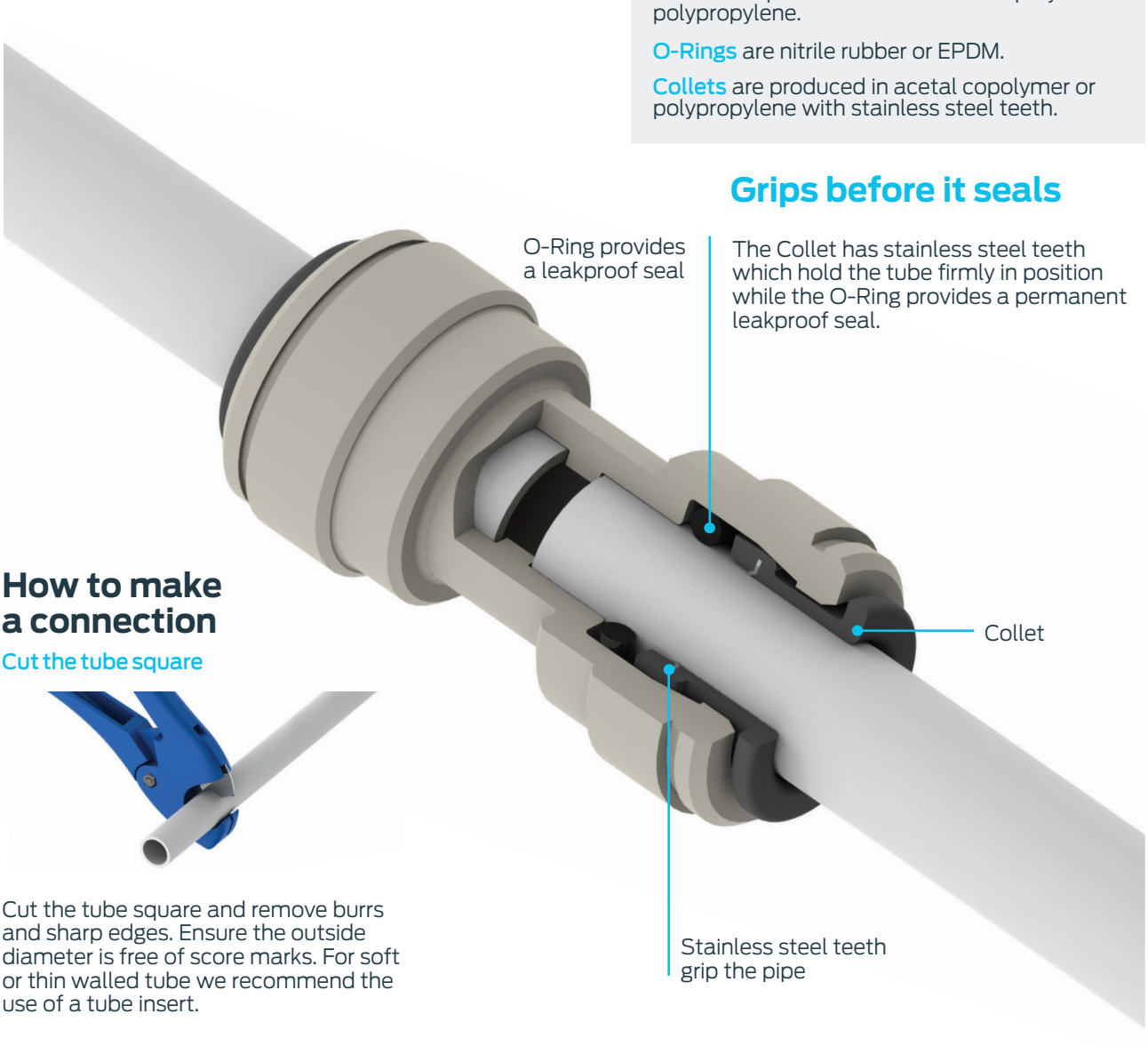
Super Speedfit fittings are made up of three components:

Bodies are produced in an acetal copolymer or polypropylene.

O-Rings are nitrile rubber or EPDM.

Collets are produced in acetal copolymer or polypropylene with stainless steel teeth.

Grips before it seals



How to make a connection

Cut the tube square

Cut the tube square and remove burrs and sharp edges. Ensure the outside diameter is free of score marks. For soft or thin walled tube we recommend the use of a tube insert.

Push up to tube stop



Push the tube into the fitting, to the tube stop.

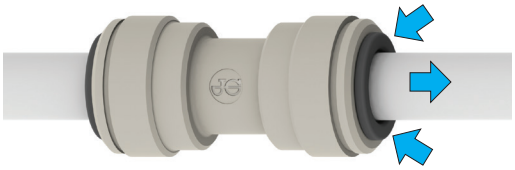
Pull to check secure



Pull on the tube to check it is secure. Test the system before use.

To disconnect

Push in collet and remove tube



To disconnect, ensure the system is depressurised, push the collet square against the fitting. With the collet held in this position the tube can be removed.

Typical Bar Installation

Super Speedfit push-fit fittings have been designed for a wide range of industrial applications. They provide a fast and secure way of connecting tubes and offer considerable advantages over conventional fittings.

Complex tubing systems can be assembled more rapidly than with traditional methods and because Super Speedfit fittings are easy to disconnect, fault finding and maintenance become a much easier operation.



U-Bend



Bulkhead Connector



Female Adaptor



Angle Stop Valve



Strain Relief Boot

Stem Elbow

PI Fittings

PI fittings offered in sizes 5/32" to 1/2" are manufactured in grey acetal copolymer, making them especially suitable for applications involving foodstuffs and potable liquids.

They are however equally suitable for air and inert gases and can be used on N^2/CO^2 mixed gas dispense lines (installed in accordance with The Brewers and Licensed Retailers Association Code of Practice), pneumatic applications and vacuum.



Straight Adaptor
BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	BAG QTY	BOX QTY
PM010401S	5/32	x 1/8	10	500
PM010402S	5/32	x 1/4	10	500
PI010601S	3/16	x 1/8	10	500
PI010602S	3/16	x 1/4	10	500
PI010801S	1/4	x 1/8	10	500
PI010802S	1/4	x 1/4	10	400
PM010801S	5/16	x 1/8	10	400
PM010802S	5/16	x 1/4	10	400
PM010803S	5/16	x 3/8	10	300
PI011202S	3/8	x 1/4	10	250
PI011203S	3/8	x 3/8	10	250
PI011603S	1/2	x 3/8	10	150
PI011604S	1/2	x 1/2	10	150



Straight Adaptor
BSP Thread

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
PI010812S	1/4	x 1/4	10	250
PI011212S	3/8	x 1/4	10	250
PI011213S	3/8	x 3/8	10	250
PI011613S	1/2	x 3/8	10	150

For use with spot face ports.



Straight Adaptor
BSP Thread

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
NCPI011211S	3/8	x 1/8	10	200
NCPI011212S	3/8	x 1/4	10	250

With special large seal for use with chamfered face ports.



Straight Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PM010421S	5/32	x 1/8	10	500
PM010422S	5/32	x 1/4	10	500
PI010621S	3/16	x 1/8	10	500
PI010821S	1/4	x 1/8	10	500
PI010822S	1/4	x 1/4	10	400
PI010823S	1/4	x 3/8	10	300
PM010821S	5/16	x 1/8	10	400
PM010822S	5/16	x 1/4	10	400
PM010823S	5/16	x 3/8	10	300
PI011221S	3/8	x 1/8	10	250
PI011222S	3/8	x 1/4	10	250
PI011223S	3/8	x 3/8	10	250
PI011224S	3/8	x 1/2	10	200
PI011623S	1/2	x 3/8	10	150
PI011624S	1/2	x 1/2	10	150
PI012026S	5/8	x 3/4	10	100



Straight Adaptor
British Nipple Type

PART NO.	TUBE OD	THREAD BSW	BAG QTY	BOX QTY
PI0106E5S	3/16	x 1/2 - 24	10	500
PI0108E5S	1/4	x 1/2 - 24	10	400
PM0108E5S	5/16	x 1/2 - 24	10	400
PM0108E6S	5/16	x 9/16 - 24	10	400
PI0112E5S	3/8	x 1/2 - 24	10	300
PI0112E6S	3/8	x 9/16 - 24	10	200



Straight Adaptor
MFL Thread

PART NO.	TUBE OD	THREAD MFL	BAG QTY	BOX QTY
PI0108F4S	1/4	x 1/4	10	300
PI0112F4S	3/8	x 1/4	10	250
PI0112F5S	3/8	x 5/16	10	250
PI0112F6S	3/8	x 3/8	10	300
PI0112F8S	3/8	x 1/2	10	200
PI0116F8S	1/2	x 1/2	10	200
PM0108C5S	5/16	x 1/2 - 16UN	10	400
PI0112C5S	3/8	x 1/2 - 16UN	10	200



Outlet Adaptor
BSP Thread

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
NC128/112	3/8	x 1/4	10	200



Equal Straight Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0404S	5/32	10	500
PI0406S	3/16	10	500
PI0408S	1/4	10	400
PM0408S	5/16	10	300
PI0412S	3/8	10	200
PI0416S	1/2	10	100



Reducing Straight Connector

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
PI200806S	1/4	- 3/16	10	200
PM200804S	5/16	- 5/32	10	300
PI201006S	5/16	- 3/16	10	200
PI201008S	5/16	- 1/4	10	200
PI201206S	3/8	- 3/16	10	200
PI201208S	3/8	- 1/4	10	200
PI201210S	3/8	- 5/16	10	200
PI201610S	1/2	- 5/16	10	100
PI201612S	1/2	- 3/8	10	100



Equal Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0304S	5/32	10	500
PI0306S	3/16	10	500
PI0308S	1/4	10	400
PM0308S	5/16	10	300
PI0312S	3/8	10	200
PI0316S	1/2	10	100
Blue Collet			
PI0308S-B	1/4	10	400



Reducing Elbow

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
PM210804S	5/16	- 5/32	10	300
PI211006S	5/16	- 3/16	10	200
PI211008S	5/16	- 1/4	10	200
PI211206S	3/8	- 3/16	10	200
PI211208S	3/8	- 1/4	10	200
PI211210S	3/8	- 5/16	10	200
PI211610S	1/2	- 5/16	10	100
PI211612S	1/2	- 3/8	10	100



Stem Elbow

PART NO.	STEM OD	TUBE OD	BAG QTY	BOX QTY
PM220404S	5/32	- 5/32	10	500
PI220606S	3/16	- 3/16	10	500
PI220808S	1/4	- 1/4	10	500
PM220808S	5/16	- 5/16	10	400
PI221206S	3/8	- 3/16	10	300
PI221208S	3/8	- 1/4	10	300
PI221210S	3/8	- 5/16	10	200
PI221212S	3/8	- 3/8	10	200
PI221616S	1/2	- 1/2	10	100



Rigid Elbow
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PI480821S	1/4	x 1/8	10	500
PI480822S	1/4	x 1/4	10	400
PI480823S	1/4	x 3/8	10	300
PI481022S	5/16	x 1/4	10	300
PI481023S	5/16	x 3/8	10	300
PI481222S	3/8	x 1/4	10	200
PI481223S	3/8	x 3/8	10	200
PI482024S	5/8	x 1/2	10	100



Swivel Elbow
BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	BAG QTY	BOX QTY
PI090601S	3/16	x 1/8	10	200
PI090801S	1/4	x 1/8	10	200
PI090802S	1/4	x 1/4	10	200
PM090801S	5/16	x 1/8	10	200
PM090802S	5/16	x 1/4	10	200
PM090803S	5/16	x 3/8	10	200
PI091202S	3/8	x 1/4	10	100
PI091203S	3/8	x 3/8	10	100
PI091603S	1/2	x 3/8	10	50
PI091604S	1/2	x 1/2	10	50



Swivel Elbow
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PM090421S	5/32	x 1/8	10	400
PM090422S	5/32	x 1/4	10	200
PI090621S	3/16	x 1/8	10	200
PI090821S	1/4	x 1/8	10	200
PI090822S	1/4	x 1/4	10	200
PM090821S	5/16	x 1/8	10	200
PM090822S	5/16	x 1/4	10	200
PM090823S	5/16	x 3/8	10	200
PI091222S	3/8	x 1/4	10	100
PI091223S	3/8	x 3/8	10	100
PI091623S	1/2	x 3/8	10	50
PI091624S	1/2	x 1/2	10	50



Equal Tee

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0204S	5/32	10	400
PI0206S	3/16	10	400
PI0208S	1/4	10	300
PM0208S	5/16	10	200
PI0212S	3/8	10	100
PI0216S	1/2	10	50



Reducing Tee

PART NO.	TUBE OD ENDS	TUBE OD BRANCH	BAG QTY	BOX QTY
PI301208S	3/8	- 1/4	10	150
PI301612S	1/2	- 3/8	10	50



Swivel Branch Tee
BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	BAG QTY	BOX QTY
PI100601S	3/16	x 1/8	10	200
PI100801S	1/4	x 1/8	10	200
PI100802S	1/4	x 1/4	10	200
PM100801S	5/16	x 1/8	10	100
PM100802S	5/16	x 1/4	10	100
PM100803S	5/16	x 3/8	10	100
PI101202S	3/8	x 1/4	10	100
PI101203S	3/8	x 3/8	10	100
PI101603S	1/2	x 3/8	5	50
PI101604S	1/2	x 1/2	5	50



Swivel Branch Tee
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PM100421S	5/32	x 1/8	10	200
PM100422S	5/32	x 1/4	10	200
PI100621S	3/16	x 1/8	10	200
PI100821S	1/4	x 1/8	10	200
PI100822S	1/4	x 1/4	10	200
PM100821S	5/16	x 1/8	10	100
PM100822S	5/16	x 1/4	10	100
PM100823S	5/16	x 3/8	10	100
PI101222S	3/8	x 1/4	10	100
PI101223S	3/8	x 3/8	10	100
PI101623S	1/2	x 3/8	5	50
PI101624S	1/2	x 1/2	5	50

Swivel Tees/Elbows can be made up by using an Equal Elbow (page 3), Equal Tee (page 4) and the appropriate Stem Adaptor (pages 5 and 6). Pre-assembled Swivels may be purchased from John Guest at a higher price as listed. We regret that orders for below 400 of any individual Swivels cannot be accepted.



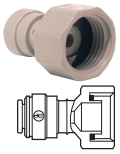
Swivel Male Run Tee
BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	BAG QTY	BOX QTY
PI110801S	1/4	x 1/8	10	200
PI110802S	1/4	x 1/4	10	200
PM110801S	5/16	x 1/8	10	100
PM110802S	5/16	x 1/4	10	100
PM110803S	5/16	x 3/8	10	100
PI111202S	3/8	x 1/4	10	100
PI111203S	3/8	x 3/8	10	100
PI111603S	1/2	x 3/8	5	50
PI111604S	1/2	x 1/2	5	50



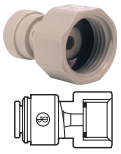
Swivel Male Run Tee
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PI110621S	3/16	x 1/8	10	200
PI110821S	1/4	x 1/8	10	200
PI110822S	1/4	x 1/4	10	200
PI111222S	3/8	x 1/4	10	100
PI111223S	3/8	x 3/8	10	100



Tap Adaptor
BSP Thread

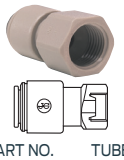
PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
CI320814S	1/4	x 1/2	10	150
CI320816S	1/4	x 3/4	10	150
CI321214S	3/8	x 1/2	10	100
CI321216S	3/8	x 3/4	10	100



Tap Adaptor
BSP Thread - Flat End

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
CI320816FS	1/4	x 3/4	10	150
CI321216FS	3/8	x 3/4	10	100

Not suitable for air



Tap Adaptor
UNS Thread

PART NO.	TUBE OD	THREAD UNS	BAG QTY	BOX QTY
CI3208U7S	1/4	x 7/16 - 24	10	250
CI3210U7S	5/16	x 7/16 - 24	10	300
CI3212U7S	3/8	x 7/16 - 24	10	200

Not suitable for air



Keg Beer Outlet Adaptor

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
PI561214CS	3/8	x 1/2	10	100



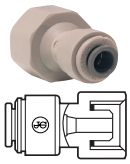
Keg Gas Inlet Adaptor

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
PI561214CS-NRV2	3/8	x 1/2	10	100



Female Adaptor
BSP Thread - Cone End

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
PI451014CS	5/16	x 1/2	10	150
PI451015CS	5/16	x 5/8	10	150
PI451214CS	3/8	x 1/2	10	150
PI451215CS	3/8	x 5/8	10	100
PI451614CS	1/2	x 1/2	10	150
PI451615CS	1/2	x 5/8	10	150
PI451616CS	1/2	x 3/4	10	100



Female Adaptor
BSP Thread - Small Cone End

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
NCPI451214CS	3/8	x 1/2	10	150



Female Adaptor
British Whitworth Thread

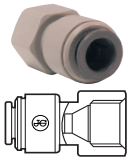
PART NO.	TUBE OD	THREAD BSW	BAG QTY	BOX QTY
PM4508E5S	5/16	x 1/2 - 24	10	300
PI4512E6S	3/8	x 9/16 - 24	10	200



Female Adaptor
FFL Thread

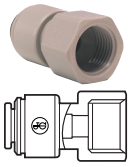
PART NO.	TUBE OD	THREAD FFL	BAG QTY	BOX QTY
PM4508F4S	5/16	x 1/4	10	300
PI4512F4S	3/8	x 1/4	10	250
PI4512F6S	3/8	x 3/8	10	200

1/4 FFL corresponds to a 7/16 UNF
3/8 FFL corresponds to a 5/8 UNF



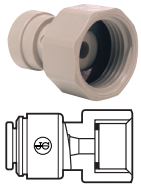
Female Adaptor
UNS Thread

PART NO.	TUBE OD	THREAD UNS	BAG QTY	BOX QTY
PM4508C5S	5/16	x 1/2 - 16	10	200
PI4512C5S	3/8	x 1/2 - 16	10	200
PI4516C5S	1/2	x 1/2 - 16	10	200



Female Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PI450822S	1/4	x 1/4	10	400
PI451222S	3/8	x 1/4	10	250



Female Adaptor
BSP Thread - Flat End

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
PI451014FS	5/16	x 1/2	10	150
PI451015FS	5/16	x 5/8	10	150
PI451213S	3/8	x 3/8	10	150
PI451214FS	3/8	x 1/2	10	150
PI451215FS	3/8	x 5/8	10	150
PI451613S	1/2	x 3/8	10	150
PI451615FS	1/2	x 5/8	10	150





Strain Relief Boot

PART NO.	SIZE INCH	BAG QTY	BOX QTY
NC2447	3/8	10	100
NC2448	1/2	10	80

To suit most 3/8" or 1/2" fittings.
Helps solve the problem of tube damage due to excessive side loads.



Three Way Divider

PART NO.	TUBE OD INLET	TUBE OD OUTLET	BAG QTY	BOX QTY
PI491612S	1/2	- 3/8	10	50
PI491616S	1/2	- 1/2	5	40



Three Way Divider

PART NO.	TUBE OD INLET	TUBE OD OUTLET	BOX QTY
PI491212S-R	3/8	- 3/8	50



Two-Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PI2308S	1/4	10	150
PM2308S	5/16	10	100
PI2312S	3/8	10	100
PI2316S	1/2	5	100



Unequal Two-Way Divider

PART NO.	TUBE OD INLET	TUBE OD OUTLET	BAG QTY	BOX QTY
PI241210S	3/8	- 5/16	10	100



Bulkhead Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM1204S	5/32	10	200
PI1206S	3/16	10	200
PI1208S	1/4	10	200
PM1208S	5/16	10	100
PI1212S	3/8	10	100
PI1216S	1/2	5	50



Reducing Bulkhead Connector

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
PI121208S	3/8	- 1/4	10	150

For 1/4 x 6mm size see page 14



Stem Adaptor
BSPT Thread

PART NO.	STEM OD	THREAD BSPT	BAG QTY	BOX QTY
PI050601S	3/16	x 1/8	10	500
PI050801S	1/4	x 1/8	10	500
PI050802S	1/4	x 1/4	10	500
PM050801S	5/16	x 1/8	10	500
PM050802S	5/16	x 1/4	10	500
PM050803S	5/16	x 3/8	10	300
PI051202S	3/8	x 1/4	10	300
PI051203S	3/8	x 3/8	10	300
PI051603S	1/2	x 3/8	10	200
PI051604S	1/2	x 1/2	10	150



Stem Adaptor
BSP Thread

PART NO.	STEM OD	THREAD BSP	BAG QTY	BOX QTY
PM050812S	5/16	x 1/4	10	500
PI051212S	3/8	x 1/4	10	300
PI051213S	3/8	x 3/8	10	300



Stem Adaptor
NPTF Thread

PART NO.	STEM OD	THREAD NPTF	BAG QTY	BOX QTY
PM050421S	5/32	x 1/8	10	500
PM050422S	5/32	x 1/4	10	500
PI050621S	3/16	x 1/8	10	500
PI050821S	1/4	x 1/8	10	500
PI050822S	1/4	x 1/4	10	500
PI050823S	1/4	x 3/8	10	300
PM050821S	5/16	x 1/8	10	500
PM050822S	5/16	x 1/4	10	500
PM050823S	5/16	x 3/8	10	300
PI051222S	3/8	x 1/4	10	300
PI051223S	3/8	x 3/8	10	300
PI051623S	1/2	x 3/8	10	150
PI051624S	1/2	x 1/2	10	150



Stem Adaptor
British 'Nipple' Type

PART NO.	STEM OD	THREAD BSW	BAG QTY	BOX QTY
PM0508E6S	5/16	x 9/16 - 24	10	400
PI0512E5S	3/8	x 1/2 - 24	10	300
PI0512E6S	3/8	x 9/16 - 24	10	300



Reducer

PART NO.	STEM OD	TUBE OD	BAG QTY	BOX QTY
PI060605S	3/16	- 5/32	10	500
PI061006S	5/16	- 3/16	10	500
PI061008S	5/16	- 1/4	10	500
PI061206S	3/8	- 3/16	10	500
PI061208S	3/8	- 1/4	10	400
PI061210S	3/8	- 5/16	10	400
PI061610S	1/2	- 5/16	10	300
PI061612S	1/2	- 3/8	10	250



Enlarger

PART NO.	STEM OD	TUBE OD	BAG QTY	BOX QTY
PI131012S	5/16	- 3/8	10	250
PI131216S	3/8	- 1/2	10	200



Offset Connector

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
NC641	1/2	- 5/16	10	200



Cross

PART NO.	TUBE OD	BAG QTY	BOX QTY
PI4712S	3/8	10	100



Dispensing Valve Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
NC356-02	3/8	10	250



Dispensing Valve Stem

PART NO.	STEM OD	BAG QTY	BOX QTY
NC730-02	3/8	10	500



U-Bend

PART NO.	TUBE OD	BAG QTY	BOX QTY
PIUB12S	3/8	10	100
PIUB16S	1/2	10	50

The U-Bend is offered for 1/2 inch OD tube sizes. Existing 1/2 inch ID lines can be accommodated by using a standard Tube to Hose Connector.



End Stop

PART NO.	TUBE OD	BAG QTY	BOX QTY
PI4608S	1/4	10	500
PI4612S	3/8	10	500



Cooling Manifold

PART NO.	TUBE SIZE ENDS	TUBE SIZE BRANCHES	BOX QTY
NC2183	15	3/8	50



Plug

PART NO.	STEM OD	BAG QTY	BOX QTY
PM0804S	5/32	10	1000
PI0806S	3/16	10	1000
PI0808S	1/4	10	500
PM0808S	5/16	10	500
PI0812S	3/8	10	400
PI0816S	1/2	10	300



Tube To Hose Stem

PART NO.	STEM OD	HOSE ID	BAG QTY	BOX QTY
PI250806S	1/4	- 3/16	10	500
PI250808S	1/4	- 1/4	10	500
PI250810S	1/4	- 5/16	10	500
PI251006S	5/16	- 3/16	10	500
PI251008S	5/16	- 1/4	10	500
PM250808S	5/16	- 5/16	10	500
PI251012S	5/16	- 3/8	10	400
PI251208S	3/8	- 1/4	10	400
PI251210S	3/8	- 5/16	10	400
PI251212S	3/8	- 3/8	10	400
PI251216S	3/8	- 1/2	10	300
PI251612S	1/2	- 3/8	10	300
PI251616S	1/2	- 1/2	10	200



Tube To Hose Stem
Long Version

PART NO.	STEM OD	HOSE ID	BAG QTY	BOX QTY
PI251012SL	5/16	- 3/8	10	400
PI251212SL	3/8	- 3/8	10	400



Tube To Hose Elbow

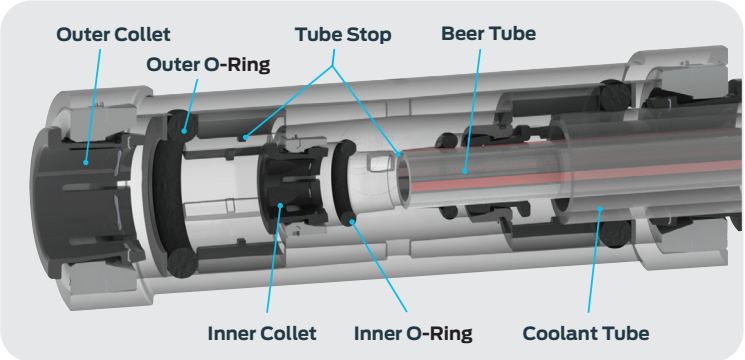
PART NO.	STEM OD	HOSE ID	BAG QTY	BOX QTY
PI290808S	1/4	- 1/4	10	500
PI290810S	1/4	- 5/16	10	500
PI291008S	5/16	- 1/4	10	500
PM290808S	5/16	- 5/16	10	500
PI291208S	3/8	- 1/4	10	400
PI291210S	3/8	- 5/16	10	400

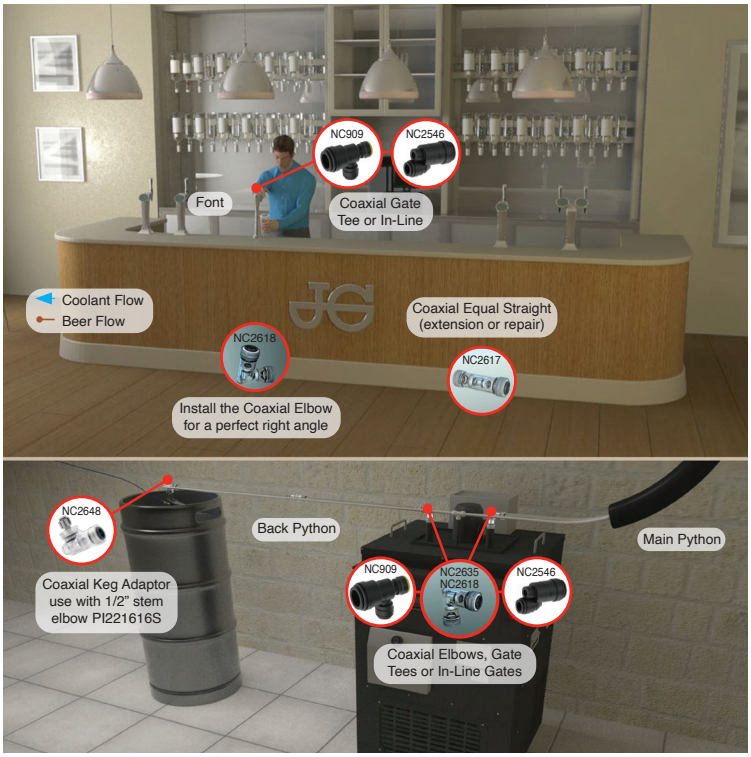
PolarClean®

The John Guest range of tube-in-tube technology has recently been extended to further satisfy the requirements of a draught beer dispense system, from beer barrel to tap. A tube-in-tube system can help maintain critical temperature conditioning of beer or beverage in the pipeline by enabling each product tube to be fully enveloped by recirculating coolant, usually either water or a water glycol blend, over the entire pipeline length. Subject to system configuration, this may offer significant benefits to the retail outlet, brand owner and consumer when compared to a traditional draught dispense system or packaged product restriction.

The advantages of PolarClean® include:

- Consistent temperature at pour - to brand specification/customer satisfaction.
- Extra cold temperature capability without necessity of a coldroom or secondary cooling device & associated running/maintenance costs & space utilisation.
- Microbiological activity is reduced at low temperature & product quality is less prone to microbial related complaints e.g. 'off flavours', beer fobbing, subject to an appropriate cleaning regime. Less waste means more revenue per barrel.
- Genuine draught dispense where not previously a viable option.





NOTE: All 'outer' Coaxial coolant tubes are 18mm diameter.



Equal Straight Connector

PART NO.	INNER TUBE OD	BAG QTY	BOX QTY
NC2617	3/8	1	100



Equal Elbow Connector

PART NO.	INNER TUBE OD	BAG QTY	BOX QTY
NC2618	3/8	1	100



Reducing Elbow Connector

PART NO.	INNER TUBE OD		TUBE OD	BAG QTY	BOX QTY
NC2635	3/8	x	8	1	100



Typically used with PI221616S at side inlet

Keg Connector

PART NO.	KEG COUPLER BSP THREAD	INNER TUBE OD	SIDE INLET TUBE OD	BAG QTY	BOX QTY
NC2648	1/2	3/8	1/2	1	100
NC2782	5/8	3/8	1/2	1	100



Tee Connector

PART NO.	INNER TUBE OD		BRANCH TUBE OD	BAG QTY	BOX QTY
NC909	3/8	x	3/8	10	50



Parallel Connector

PART NO.	INNER TUBE OD		BRANCH TUBE OD	BAG QTY	BOX QTY
NC2546	3/8	x	1/2	10	60



Internal Collet Release Tool

PART NO.	BAG QTY	BOX QTY
NC2654	10	200



Barbed Spigot Safety Clip

PART NO.	BOX QTY
NC2742	50

Superseal Fittings



Straight Adaptor
BSPT THREAD

PART NO.	S/SEAL OD	THREAD BSPT	BAG QTY	BOX QTY
SM010802S	5/16 x	1/4	10	200



Straight Adaptor
BSP THREAD

PART NO.	S/SEAL OD	THREAD BSP	BAG QTY	BOX QTY
SM010812S	5/16 x	1/4	10	200



Straight Adaptor
MFL THREAD

PART NO.	S/SEAL OD	THREAD MFL	BAG QTY	BOX QTY
SM0108F4S	5/16 x	1/4	10	200



Straight Adaptor
Whitworth Thread

PART NO.	S/SEAL OD	THREAD BSW	BAG QTY	BOX QTY
SI0112E6S	3/8 x	9/16-24	10	200



Straight Connector
Superseal X Superseal

PART NO.	S/SEAL OD	BAG QTY	BOX QTY
SM410808E	5/16	10	200



Straight Connector
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
SM040808S	5/16	-	5/16	10	200
SI041012S	5/16	-	3/8	10	200
SI041016S	5/16	-	1/2	10	200
SI041210S	3/8	-	5/16	10	200
SI041212S	3/8	-	3/8	10	150
SI041216S	3/8	-	1/2	10	150

Metric Sizes



Straight Connector
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
SM040608E	6mm	-	8mm	10	200



Elbow
Superseal X Superseal

PART NO.	S/SEAL OD		S/SEAL OD	BAG QTY	BOX QTY
SM400808S	5/16	-	5/16	10	150
SI401210S	3/8	-	5/16	10	150
SI401212S	3/8	-	3/8	10	150



Elbow
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
SI030812S	1/4	-	3/8	10	150
SM030808S	5/16	-	5/16	10	200
SI031012S	5/16	-	3/8	10	150
SI031210S	3/8	-	5/16	10	150
SI031212S	3/8	-	3/8	10	150



Flow Bend Connector
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
SM420808S	5/16	-	5/16	10	100
SI421012S	5/16	-	3/8	10	100
SI421210S	3/8	-	5/16	10	100
SI421212S	3/8	-	3/8	10	100



Barb Connector
Superseal X Barb

PART NO.	S/SEAL OD		TUBE ID	BAG QTY	BOX QTY
SI270808S	1/4	-	1/4	10	300
SI271008S	5/16	-	1/4	10	250
SI271208S	3/8	-	1/4	10	200



Bulkhead Connector
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
SM120808S	5/16	-	5/16	10	100



Superseal Spanner

PART NO.	BAG QTY	BOX QTY
SPAN1	1	100

Metric to Imperial Adaptors



Straight Connector

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
NC2511	15mm	-	3/8”	10	100
NC462	15mm	-	1/2”		600



Straight Connector
Superseal X Speedfit

PART NO.	S/SEAL OD		SPEEDFIT OD	BAG QTY	BOX QTY
NC2301	1/2”	-	15mm	10	80



Stem To Tube Adaptor

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
NC2164	15mm	-	3/8”	10	200
NC2173	1/2”	-	15mm	10	100



Stem To Hose Connector

PART NO.	STEM OD		HOSE ID	BAG QTY	BOX QTY
NC932	15mm	-	1/2”	10	150



Tube To Hose Connector

PART NO.	STEM OD		HOSE ID	BOX QTY
NC448	15mm	-	1/2”	1000



Adaptor Tee

PART NO.	TUBE OD ENDS		TUBE OD BRANCH	BAG QTY	BOX QTY
NC869	15mm	-	3/8”	-	400



Stem To Stem Adaptor

PART NO.	STEM OD		STEM OD	BAG QTY	BOX QTY
NC478	15mm	-	3/8”	10	150

White Acetal Fittings

CI inch size fittings are manufactured in white acetal. With a food grade EPDM O-Ring, they have been developed for the water industry but are equally suitable for other potable liquids. They are also recommended for intermittent hot water applications.

Selected items are available with red or blue collets.

The CI Range is NOT suitable for compressed air and vacuum applications. For these situations we recommend the PI Range on pages 12-15.

Working pressures and temperatures

Water 10 Bar at 20°C
7 Bar at 65°C intermittent hot water



Equal Straight Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
CI0408W	1/4	10	400
CI0412W	3/8	10	200



Straight Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
CI010821W	1/4	x 1/8	10	500
CI010822W	1/4	x 1/4	10	400
CI010823W	1/4	x 3/8	10	300
CI011222W	3/8	x 1/4	10	250



Equal Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
CI0308W	1/4	10	400
CI0312W	3/8	10	200



Stem Elbow

PART NO.	STEM OD	TUBE OD	BAG QTY	BOX QTY
CI220808W	1/4	- 1/4	10	500
CI221208W	3/8	- 1/4	10	300
CI221212W	3/8	- 3/8	10	200
Red Collet				
CI220808WR	1/4	- 1/4	10	500



Rigid Elbow
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
CI480821W	1/4	x 1/8	10	500
CI480822W	1/4	x 1/4	10	400
CI480823W	1/4	x 3/8	10	300
CI481222W	3/8	x 1/4	10	200
Blue Collet				
CI480821WB	1/4	x 1/8	10	500



Equal Tee

PART NO.	TUBE OD	BAG QTY	BOX QTY
CI0208W	1/4	10	300
CI0212W	3/8	10	100



Branch Stem Tee

PART NO.	TUBE OD	TUBE OD	TUBE OD	BAG QTY	BOX QTY
CI580808W	1/4	- 1/4	- 1/4	10	300



Branch Stem Tee

PART NO.	TUBE OD	TUBE OD	TUBE OD	BAG QTY	BOX QTY
CI530808W	1/4	- 1/4	- 1/4	10	300



Bulkhead Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
CI1208W	1/4	10	200



Female Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
CI451222W	3/8	x 1/4	10	250



Female Connector
BSP Thread

PART NO.	TUBE OD	THREAD BSP	BAG QTY	BOX QTY
CI450814FW	1/4	x 1/2	10	150



Stem Adaptor
NPTF Thread

PART NO.	STEM OD	THREAD NPTF	BAG QTY	BOX QTY
CI050821W	1/4	x 1/8	10	500
CI050822W	1/4	x 1/4	10	500
CI051222W	3/8	x 1/4	10	300
CI051223W	3/8	x 3/8	10	300



Reducer

PART NO.	STEM OD	TUBE OD	BAG QTY	BOX QTY
CI061208W	3/8	- 1/4	10	400



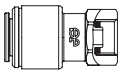
Barb Connector
Superseal X Barb

PART NO.	S/SEAL OD	TUBE ID	BAG QTY	BOX QTY
CI270808W	1/4	- 1/4	10	300



Tube To Hose Elbow

PART NO.	STEM OD	HOSE ID	BAG QTY	BOX QTY
CI291208W	3/8	- 1/4	10	400





Tap Adaptor

PART NO.	TUBE OD	THREAD UNS	BAG QTY	BOX QTY
CI3212U7FW	3/8	- 7/16	10	200

PP Fittings

The PP Range of inch size fittings is produced in polypropylene and fitted with EPDM seals. Polypropylene has the advantage of being more chemically resistant than acetal.

The PP Range is not suitable for compressed air applications. For these situations we recommend the PI Range shown on pages 3 to 7.



Straight Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PP010821W	1/4	x 1/8	10	500
PP010822W	1/4	x 1/4	10	400
PP010823W	1/4	x 3/8	10	400
PP010824W	1/4	x 1/2	10	200
PP011222W	3/8	x 1/4	10	250
PP011223W	3/8	x 3/8	10	250
PP011224W	3/8	x 1/2	10	250
PP011623W	1/2	x 3/8	10	150
PP011624W	1/2	x 1/2	10	150



Equal Straight Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP0408W	1/4	10	400
PPM0408W	5/16	10	300
PP0412W	3/8	10	200
PP0416W	1/2	10	100



Reducing Straight Connector

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
PP201208W	3/8	-	1/4	10	250
PP201612W	1/2	-	3/8	10	150



Equal Tee

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP0208W	1/4	10	300
PPM0208W	5/16	10	200
PP0212W	3/8	10	100
PP0216W	1/2	10	80



Reducing Tee

PART NO.	TUBE OD END	TUBE OD END	TUBE OD BRANCH	BAG QTY	BOX QTY
PP30080812W	1/4	1/4	3/8	10	150
PP30120812W	3/8	1/4	3/8	10	150
PP30121208W	3/8	3/8	1/4	10	150
PP301612W	1/2	1/2	3/8	10	50



Stem Tee

PART NO.	TUBE OD END	TUBE OD END	BRANCH OD END	BAG QTY	BOX QTY
PP531212W	3/8	3/8	3/8	10	150



Equal Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP0308W	1/4	10	400
PPM0308W	5/16	10	300
PP0312W	3/8	10	200
PP0316W	1/2	10	100
Blue Collet			
PP0308W-B	1/4	10	400



Reducing Elbow

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
PP211008W	5/16	-	1/4	10	300
PP211208W	3/8	-	1/4	10	200
PP211612W	1/2	-	3/8	10	150



Stem Elbow

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PP220808W	1/4	-	1/4	10	500
PPM220808W	5/16	-	5/16	10	400
PP221208W	3/8	-	1/4	10	300
PP221212W	3/8	-	3/8	10	200
PP221616W	1/2	-	1/2	10	150
Blue Collet					
PP221212W-B	3/8	-	3/8	10	200



Rigid Elbow
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PP480821W	1/4	x 1/8	10	500
PP480822W	1/4	x 1/4	10	400
PP480823W	1/4	x 3/8	10	300
PP481222W	3/8	x 1/4	10	200
PP481223W	3/8	x 3/8	10	200
PP481623W	1/2	x 3/8	10	150



Bulkhead Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP1208W	1/4	10	200
PP1212W	3/8	10	100
PP1216W	1/2	5	50



Reducing Bulkhead Connector

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
PP121208W	3/8	1/4	10	150



Female Adaptor
NPTF Thread

PART NO.	TUBE OD	THREAD NPTF	BAG QTY	BOX QTY
PP450821W	1/4	1/8	10	400
PP450822W	1/4	1/4	10	200
PP451222W	3/8	1/4	10	200
PP451223W	3/8	3/8	10	150



Tap Adaptor
UNS Thread

PART NO.	TUBE OD	THREAD UNS	BAG QTY	BOX QTY
PP3208U7W	1/4	x 7/16 - 24	10	400
PP3212U7W	3/8	x 7/16 - 24	10	300

PP Fittings (continued)



Stem Adaptor
NPTF Thread

PART NO.	STEM OD		THREAD NPTF	BAG QTY	BOX QTY
PP050821W	1/4	x	1/8	10	500
PP050822W	1/4	x	1/4	10	500
PP051222W	3/8	x	1/4	10	300
PP051223W	3/8	x	3/8	10	200
PP051623W	1/2	x	3/8	10	250
PP051624W	1/2	x	1/2	10	200



Reducer

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PP061208W	3/8	-	1/4	10	400
PP061210W	3/8	-	5/16	10	400
PP061612W	1/2	-	3/8	10	200
PP062008W	5/8	-	1/4	10	200
PP062012W	5/8	-	3/8	10	200
PP062016W	5/8	-	1/2	10	150



Three Way Divider

PART NO.	TUBE OD INLET		TUBE OD OUTLET	BAG QTY	BOX QTY
PP491208W	3/8	-	1/4	10	150



Plug

PART NO.	STEM OD	BAG QTY	BOX QTY
PP0808W	1/4	10	500
PPM0808W	5/16	10	500
PP0812W	3/8	10	400
PP0816W	1/2	10	300



Tube To Hose Stem

PART NO.	STEM OD		HOSE ID	BAG QTY	BOX QTY
PP251212W	3/8	-	3/8	10	400
PP251216W	3/8	-	1/2	10	300
PP251612W	1/2	-	3/8	10	300
PP251616W	1/2	-	1/2	10	250



Two Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP2312W	3/8	10	150



Unequal Divider

PART NO.	TUBE OD	TUBE OD	BAG QTY	BOX QTY
PP241208W	1/4	3/8	10	200



Two Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP2308E	1/4	10	200

Push-fit fitting with improved UV resistance and suitable for a wide variety of applications.



End Stop

PART NO.	TUBE OD	BAG QTY	BOX QTY
PP4608W	1/4	10	500

Brass Fittings

Designed for use in coffee brewing equipment, beverage dispensing and vending machine applications. The fittings are manufactured in brass with a polypropelene collet and a food grade EPDM 'O' ring.



Brass Female Connector
FFL Thread

PART NO.	TUBE OD		THREAD FFL	BAG QTY	BOX QTY
MI4508F4S	1/4	x	1/4	10	200
MI4512F4S	3/8	x	1/4	10	200
MI4512F6S	3/8	x	3/8	10	100



Brass Polypropylene Female Connector
BSP THREAD

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
NC2145	1/4	x	3/4	10	150
NC2249	3/8	x	3/4	10	100

PPM Fittings

The PPM Range of plastic fittings is produced in polypropylene and fitted with EPDM seals. Polypropylene has the advantage of being more chemically resistant then acetal.

The PPM Range is not suitable for compressed air applications. For these situations we recommend the PM Range shown on pages 12-16.



Equal Straight Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PPM0408W	8	10	300
PPM0412W	12	10	100



Reducing Straight Connector

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
PPM201512W	15	-	12	10	100



Equal Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
PPM0308W	8	10	300
PPM0312W	12	10	100



Stem Elbow

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PPM220808W	8	-	8	10	400
PPM221212W	12	-	12	10	100



Equal Tee

PART NO.	TUBE OD	BAG QTY	BOX QTY
PPM0208W	8	10	200
PPM0212W	12	10	80



Reducer

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PPM061512W	15	-	12	10	150



Plug

PART NO.	STEM OD	BAG QTY	BOX QTY
PPM0808W	8	10	500



Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PPM2312W	12	10	80

PM Fittings

The PM Range of metric size fittings is manufactured in black acetal copolymer with food grade nitrile 'O' rings. Being especially produced for foodstuff and potable liquids, they are equally suitable for air and inert gases and can therefore be used on N2/CO2 (installed in accordance with the Brewers and Licensed Retailers Association code of practice) mixed gas dispense lines and pneumatic applications and vacuum.



Straight Adaptor
BSP Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
PM010411E	4	x	1/8	10	500
PM010412E	4	x	1/4	10	500
PM010511E	5	x	1/8	10	500
PM010512E	5	x	1/4	10	500
PM010611E	6	x	1/8	10	500
PM010612E	6	x	1/4	10	500
PM010811E	8	x	1/8	10	400
PM010812E	8	x	1/4	10	400
PM010813E	8	x	3/8	10	300
PM011012E	10	x	1/4	10	250
PM011013E	10	x	3/8	10	250
PM011014E	10	x	1/2	10	200
PM011213E	12	x	3/8	10	150
PM011214E	12	x	1/2	10	150
PM011513E	15	x	3/8	10	150
PM011514E	15	x	1/2	10	150
PM011516E *	15	x	3/4	10	50
PM011814E	18	x	1/2		70
PM012216E	22	x	3/4		50

*No thread seal



Straight Adaptor
BSPT Thread

PART NO.	TUBE OD		THREAD BSPT	BAG QTY	BOX QTY
PM010401E	4	x	1/8	10	500
PM010402E	4	x	1/4	10	500
PM010501E	5	x	1/8	10	500
PM010502E	5	x	1/4	10	500
PM010601E	6	x	1/8	10	500
PM010602E	6	x	1/4	10	500
PM010801E	8	x	1/8	10	400
PM010802E	8	x	1/4	10	400
PM010803E	8	x	3/8	10	300
PM011002E	10	x	1/4	10	250
PM011003E	10	x	3/8	10	250
PM011004E	10	x	1/2	10	200
PM011203E	12	x	3/8	10	150
PM011204E	12	x	1/2	10	150



Straight Adaptor
BSPT Thread

PART NO.	TUBE OD		THREAD NPTF	BAG QTY	BOX QTY
PM010622E	6	x	1/4	10	500



Equal Straight Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0404E	4	10	500
PM0405E	5	10	500
PM0406E	6	10	400
PM0408E	8	10	300
PM0410E	10	10	200
PM0412E	12	10	100
PM0415E	15	10	100
PM0418E	18	10	50
PM0422E	22	10	50



Reducing Straight Connector

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
PM200604E	6	-	4	10	400
PM200804E	8	-	4	10	300
PM200806E	8	-	6	10	200
PM201004E	10	-	4	10	200
PM201006E	10	-	6	10	200
PM201008E	10	-	8	10	200
PM201208E	12	-	8	10	100
PM201210E	12	-	10	10	100



Equal Elbow

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0304E	4	10	500
PM0305E	5	10	500
PM0306E	6	10	400
PM0308E	8	10	300
PM0310E	10	10	200
PM0312E	12	10	100
PM0315E	15	10	50
PM0318E	18	5	50
PM0322E	22	5	30



Reducing Elbow Connector

PART NO.	TUBE OD		TUBE OD	BAG QTY	BOX QTY
PM210604E	6	-	4	10	400
PM210804E	8	-	4	10	300
PM210806E	8	-	6	10	200
PM211004E	10	-	4	10	200
PM211006E	10	-	6	10	200
PM211008E	10	-	8	10	200
PM211208E	12	-	8	10	100
PM211210E	12	-	10	10	100



Stem Elbow

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PM220404E	4	-	4	10	500
PM220505E	5	-	5	10	500
PM220606E	6	-	6	10	500
PM220808E	8	-	8	10	400
PM221010E	10	-	10	10	200
PM221212E	12	-	12	10	100
PM221515E	15	-	15	10	100
PM221818E	18	-	18	5	50
PM222222E	22	-	22	-	50



Rigid Elbow
Nptf Thread

PART NO.	TUBE OD		THREAD NPTF	BAG QTY	BOX QTY
PM480621E	6	x	1/8	10	500
PM480622E	6	x	1/4	10	400
PM480623E	6	x	3/8	10	300



Swivel Elbow
Bsp Thread

PART NO.	STEM OD		THREAD BSP	BAG QTY	BOX QTY
PM090411E	4	x	1/8	10	400
PM090412E	4	x	1/4	10	200
PM090511E	5	x	1/8	10	400
PM090512E	5	x	1/4	10	200
PM090611E	6	x	1/8	10	200
PM090612E	6	x	1/4	10	200
PM090811E	8	x	1/8	10	200
PM090812E	8	x	1/4	10	200
PM090813E	8	x	3/8	10	200
PM091012E	10	x	1/4	10	100
PM091013E	10	x	3/8	10	100
PM091014E	10	x	1/2	10	100
PM091213E	12	x	3/8	10	50
PM091214E	12	x	1/2	10	50



Swivel Elbow
Bspt Thread

PART NO.	TUBE OD		THREAD BSPT	BAG QTY	BOX QTY
PM090401E	4	x	1/8	10	400
PM090402E	4	x	1/4	10	200
PM090501E	5	x	1/8	10	400
PM090502E	5	x	1/4	10	200
PM090601E	6	x	1/8	10	200
PM090602E	6	x	1/4	10	200
PM090801E	8	x	1/8	10	200
PM090802E	8	x	1/4	10	200
PM090803E	8	x	3/8	10	200
PM091002E	10	x	1/4	10	100
PM091003E	10	x	3/8	10	100
PM091004E	10	x	1/2	10	100
PM091203E	12	x	3/8	10	50
PM091204E	12	x	1/2	10	50



Equal Tee

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM0204E	4	10	400
PM0205E	5	10	400
PM0206E	6	10	300
PM0208E	8	10	200
PM0210E	10	10	100
PM0212E	12	10	50
PM0215E	15	5	50
PM0218E	18	5	30
PM0222E	22	5	20



Reducing Tee

PART NO.	TUBE OD ENDS		TUBE OD BRANCH	BAG QTY	BOX QTY
PM3006AE	4	-	6	10	300
PM3018AE	18	-	15	5	30
PM3022AE	22	-	15	5	20



Swivel Tee
Centre Leg Bsp Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
PM100411E	4	x	1/8	10	200
PM100512E	5	x	1/4	10	200
PM100611E	6	x	1/8	10	200
PM100612E	6	x	1/4	10	200
PM100811E	8	x	1/8	10	100
PM100812E	8	x	1/4	10	100
PM100813E	8	x	3/8	10	100
PM101012E	10	x	1/4	10	100
PM101013E	10	x	3/8	10	100
PM101014E	10	x	1/2	10	50
PM101213E	12	x	3/8	5	50
PM101214E	12	x	1/2	5	50



Swivel Tee
Centre Leg Bspt Thread

PART NO.	TUBE OD		THREAD BSPT	BAG QTY	BOX QTY
PM100402E	4	x	1/4	10	200
PM100502E	5	x	1/4	10	200
PM100601E	6	x	1/8	10	200
PM100602E	6	x	1/4	10	200
PM100801E	8	x	1/8	10	100
PM100802E	8	x	1/4	10	100
PM101002E	10	x	1/4	10	100
PM101003E	10	x	3/8	10	100
PM101004E	10	x	1/2	10	100
PM101204E	12	x	1/2	5	50



Swivel Male Run Tee
Bsp Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
PM110411E	4	x	1/8	10	200
PM110412E	4	x	1/4	10	200
PM110611E	6	x	1/8	10	200
PM110612E	6	x	1/4	10	200
PM110811E	8	x	1/8	10	100
PM110812E	8	x	1/4	10	100
PM110813E	8	x	3/8	10	100
PM111012E	10	x	1/4	10	100
PM111013E	10	x	3/8	10	100
PM111014E	10	x	1/2	10	50
PM111213E	12	x	3/8	5	50



Swivel Male Run Tee
Bspt Thread

PART NO.	TUBE OD		THREAD BSPT	BAG QTY	BOX QTY
PM110401E	4	x	1/8	10	200
PM110602E	6	x	1/4	10	200
PM110802E	8	x	1/4	10	100
PM110803E	8	x	3/8	10	100
PM111002E	10	x	1/4	10	100
PM111003E	10	x	3/8	10	100



Bulkhead Connector

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM1204E	4	10	200
PM1205E	5	10	200
PM1206E	6	10	200
PM1208E	8	10	100
PM1210E	10	10	100
PM1212E	12	5	50
NC2429*	1/4 x 6mm		250

Fitting is grey



Reducer

PART NO.	STEM OD		TUBE OD	BAG QTY	BOX QTY
PM060504E	5	-	4	10	500
PM060604E	6	-	4	10	500
PM060605E	6	-	5	10	500
PM060804E	8	-	4	10	500
PM060805E	8	-	5	10	500
PM060806E	8	-	6	10	500
PM061006E	10	-	6	10	400
PM061008E	10	-	8	10	400
PM061208E	12	-	8	10	300
PM061210E	12	-	10	10	250
PM061510E	15	-	10	10	200
PM061512E	15	-	12	10	100
PM061815E	18	-	15	10	100
PM062215E	22	-	15	10	50
PM062218E	22	-	18	10	50

Reducers from larger sizes are shown in our compressed air section.



Enlarger

PART NO.	TUBE OD		STEM OD	BAG QTY	BOX QTY
PM130405E	5	x	4	10	500



Stem Adaptor
Bsp Thread

PART NO.	STEM OD		THREAD BSP	BAG QTY	BOX QTY
PM050411E	4	x	1/8	10	500
PM050412E	4	x	1/4	10	500
PM050511E	5	x	1/8	10	500
PM050512E	5	x	1/4	10	500
PM050611E	6	x	1/8	10	500
PM050612E	6	x	1/4	10	500
PM050811E	8	x	1/8	10	500
PM050812E	8	x	1/4	10	500
PM050813E	8	x	3/8	10	300
PM051012E	10	x	1/4	10	300
PM051013E	10	x	3/8	10	300
PM051014E	10	x	1/2	10	200
PM051213E	12	x	3/8	10	200
PM051214E	12	x	1/2	10	150
PM051513E	15	x	3/8	10	150
PM051514E	15	x	1/2	10	100
PM051814E	18	x	1/2	10	100
PM052214E	22	x	1/2	10	100
PM052216E	22	x	3/4	10	50



Stem Adaptor
Bspt Thread

PART NO.	STEM OD		THREAD BSPT	BAG QTY	BOX QTY
PM050401E	4	x	1/8	10	500
PM050402E	4	x	1/4	10	500
PM050501E	5	x	1/8	10	500
PM050502E	5	x	1/4	10	500
PM050601E	6	x	1/8	10	500
PM050602E	6	x	1/4	10	500
PM050801E	8	x	1/8	10	500
PM050802E	8	x	1/4	10	500
PM050803E	8	x	3/8	10	300
PM051002E	10	x	1/4	10	300
PM051003E	10	x	3/8	10	300
PM051004E	10	x	1/2	10	200
PM051203E	12	x	3/8	10	200
PM051204E	12	x	1/2	10	150



Two-Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM2304E	4	10	300
PM2308E	8	10	100
PM2310E	10	10	100

Swivel Tees/Elbows can be made up by using an Equal Elbow (page 13), Equal Tee (page 13) and the appropriate Stem Adaptor (page 14). Pre-assembled Swivels may be purchased from John Guest at a higher price as listed. We regret that orders for below 400 of any individual Swivels cannot be accepted.

PM Fittings
(continued)



Two-Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM2315E	15	5	50

For the new BDA Approved Twin Recirc. Python for coolant water feed and return.



Tube To Hose Stem

PART NO.	STEM OD		HOSE ID	BAG QTY	BOX QTY
PM250604E	6	-	4	10	500
PM250806E	8	-	6	10	500
PM251008E	10	-	8	10	300



End Stop

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM4612E	12	10	250
PM4615E	15	10	200
PM4622E	22	5	80



Female Adaptor

PART NO.	TUBE OD		THREAD BSP	BAG QTY £	BOX QTY
∗PM450411E	4	x	1/8	10	500
PM450611E	6	x	1/8	10	500
∗PM450612E	6	x	1/4	10	300
∗PM450812E	8	x	1/4	10	300
∗PM450813E	8	x	3/8	10	200
∗PM451015FE	10	x	5/8	10	100
∗PM451215FE	12	x	5/8	10	150

∗With thread seal. Other size no seal.



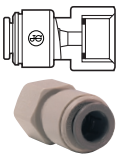
U-Bend

PART NO.	TUBE OD	BAG QTY	BOX QTY
PMUB15E	15	10	50

CM Fittings

CM range of metric size fittings are manufactured in acetal. With a food grade EPDM 'O' ring, they have been developed for the water industry but are equally suitable for other potable liquids. They are also recommended for intermittent hot water applications.

The CM Range is NOT suitable for compressed air and vacuum applications. For these situations we recommend the PI Range on pages 2 - 6 and the PM Range on pages 12 - 16.



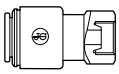
Female Adaptor
Bsp Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
CM451213FS	12	x	3/8	10	200
CM451214FS	12	x	1/2	10	150
CM451513FS	15	x	3/8	10	150



End Stop

PART NO.	TUBE OD	BAG QTY	BOX QTY
CM4612W	12	10	250



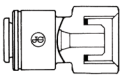
Tap Adaptor
Uns Thread

PART NO.	TUBE OD		THREAD UNS	BAG QTY	BOX QTY
CM3210U7E	10	x	7/16 - 24	10	250



Two-Way Divider

PART NO.	TUBE OD	BAG QTY	BOX QTY
CM2315W	15	5	50



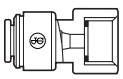
Tap Adaptor
Bsp Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
CM320616E	6	x	3/4	10	150
CM320816E	8	x	3/4	10	100
CM321014E	10	x	1/2	10	150
CM321216E	12	x	3/4	10	100



Straight Adaptor

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
CM011514S	15	x	1/2	10	150



Tap Adaptor
Flat End Bsp Thread

PART NO.	TUBE OD		THREAD BSP	BAG QTY	BOX QTY
CM320816FE	8	x	3/4	10	100

Polypropylene Shut Off Valves

The PP Range of Shut-Off Valves is produced in polypropylene and fitted with EPDM seals. Polypropylene has the advantage of being more chemically resistant then acetal.The valves are for use with potable water. For use with other potable liquids please refer to our Customer Service Department for guidance.



Speedfit To Speedfit ▪

PART NO.	TUBE OD	BOX QTY
PPSV040808W	1/4	200
PPSV041212W	3/8	80
PPMSV040606W	6mm	150
PPMSV040808W	8mm*	100
PPMSV041010W	10mm	100
PPMSV041212W	12mm	50

*Also available with mounting clip
Part No. PPMSV04KIT 50



Speedfit To Male Nptf ▪

PART NO.	TUBE OD	THREAD NPTF	BOX QTY
PPSV010822W	1/4	x 1/4	200
PPSV011223W	3/8	x 3/8	100



Speedfit To Female Nptf ▪

PART NO.	TUBE OD	THREAD NPTF	BOX QTY
PPSV500822W	1/4	x 1/4	200
PPSV501222W	3/8	x 1/4	100

1/4 Turn Valves. These valves have been designed to allow temporary servicing of downstream equipment and must only be used in the fully open or fully closed position.

DO NOT USE THESE VALVES:

- In a partially open position to control flow.
- To provide a permanent termination.
- Without tubing assembled or plugged (or threaded connections sealed).
- As a tap or "faucet".

1/4 Turn Valves are indicated by this marker '▪'

Acetal Shut-Off Valves

John Guest acetal shut-off valves have a brand new full bore mechanism and are especially designed for the Brewing and Soft Drinks Industries and for potable water.

They are also suitable for air and inert gases such as N2/CO2.

The range includes valves with short and long handles to operate a 1/4 turn on off action.

The valves are available with or without mounting clip.



Shut Off Valve ▪
Short Handle

PART NO.	TUBE OD	BOX QTY
PISV0412CS	3/8	100



Shut Off Valve ▪
Short Handle
With Mounting Clip

PART NO.	TUBE OD	BOX QTY
PISV04KIT-SH	3/8	50



Shut Off Valve ▪
Long Handle

PART NO.	TUBE OD	BOX QTY
PISV0412S	3/8	100
PISV0416S	1/2	50



Shut Off Valve ▪
Long Handle
With Mounting Clip

PART NO.	TUBE OD	BOX QTY
PISV04KIT	3/8	50



Mounting Clip

PART NO.		BOX QTY
SVMC-06	For 1/4" and 6mm	200
SVMC-10	For 3/8" and 10mm	100

The mounting clip is designed to give a very firm grip. A twisting action is needed to remove the valve. The clip can be used with either shut off valve. When used with the short handle version, valves can be banked together.



Angle Stop Valve ▪

PART NO.	TUBE OD	BOX QTY
NC2555	3/8	25

The John Guest 3/8" Angle Stop Valve features double 'O' rings in each of the Speedfit ports and has been developed for a wide range of applications including foodstuffs, potable liquids and air.

1/4 Turn Valves. These valves have been designed to allow temporary servicing of downstream equipment and must only be used in the fully open or fully closed position.

DO NOT USE THESE VALVES:

- In a partially open position to control flow.
- To provide a permanent termination.
- Without tubing assembled or plugged (or threaded connections sealed).
- As a tap or "faucet".

1/4 Turn Valves are indicated by this marker '▪'

Acetal Angle Stop Valves

John Guest Angle Stop Valves are manufactured in Acetal with EPDM 'O' rings. They incorporate a single check valve and a 1/4 turn chromium plated ball valve.

The valves are for use with potable water. For use with other potable liquids please refer to our Customer Services Department for guidance. The valves are not to be used with compressed air, explosive gases, petroleum spirit and other fuels or for heating systems.



Acetal Angle Stop Valves ▪

PART NO.	TUBE OD	TUBE OD BRANCH	BAG QTY	BOX QTY
ASV3	15mm	1/4	1	30
ASV4	15mm	3/8	1	25

For use with potable liquids only



Acetal Angle Stop Valves ▪

PART NO.	THREAD BSP	THREAD BSP	TUBE OD BRANCH	BAG QTY	BOX QTY
ASV7	3/8	3/8	3/8	1	30
ASV8	1/2	1/2	3/8	1	30
ASV9	3/8	3/8	1/4	1	30
ASV10	1/2	1/2	1/4	1	30

For use with liquids only



Acetal Elbow Stop Valve ▪

PART NO.	TUBE OD	THREAD BSP	BOX QTY
PISVBTC1214	3/8	1/2	50

For use with liquids only

Check Valves and Service Valves

Produced at the request of leading companies in the Drinks Dispense Industry, the Super Speedfit acetal Single Check Valve ensures protection against reversal of flow. The low headloss design and fast installation time makes the valve the ideal selection. The valve is designed for use with liquids, it is not suitable for air and vacuum applications.



Single Check Valve

PART NO.	TUBE OD	BAG QTY	BOX QTY
1/4SCV	1/4	10	300
5/16SCV	5/16	-	300
3/8SCV	3/8	1	80

For use with liquids only.



Single Check Valve

PART NO.	TUBE OD	BAG QTY	BOX QTY
6SCV	6mm	10	300
10SCV	10mm	10	80
12SCV	12mm	10	100

For use with liquids only.



Single Check Valve

PART NO.	TUBE OD	BAG QTY	BOX QTY
NC2718	1/4	10	300

5psi Crack Pressue.
For use with liquids only.

Double Check Valve

Double Check Valves ensure the prevention of contamination arising from back syphonage, back flow and cross connection. A spring loaded internal check valve is sited either side of the test cock and an arrow identifies the direction of flow. The low headloss design and fast installation time makes this unit the ideal selection. The valve can be mounted in any position.

The valve can also be used for domestic hot and cold water supplies.



Double Check Valve

PART NO.	TUBE OD	BAG QTY	BOX QTY
15DCV	15mm	5	50

For use with liquids only. The valve can also be used for domestic hot and cold water supplies.



Double Check Service Valve

PART NO.	TUBE OD	BAG QTY	BOX QTY
15DCSV	15mm	1	20

For use with liquids only.

Service Valves

Speedfit Service Valves are ideally suited to provide a temporary shut-off facility in a drinks dispense situation. The valve consists of a ball mechanism operated by means of a screwdriver slot. Push in connections make for a fast installation time, especially in confined spaces. The valves can also be used for domestic hot and cold water supplies.



Service Valve ▪

PART NO.	TUBE OD	BAG QTY	BOX QTY
15SV	15mm	5	50

For use with liquids only. Brass chrome plated ball mechanism. The valve can also be used for domestic hot and cold water supplies.



Service Valve ▪

PART NO.	TUBE OD	BOX QTY
1/2ISV	1/2	50

For use with liquids only.

1/4 Turn Valves. These valves have been designed to allow temporary servicing of downstream equipment and must only be used in the fully open or fully closed position.

DO NOT USE THESE VALVES:

- In a partially open position to control flow.
- To provide a permanent termination.
- Without tubing assembled or plugged (or threaded connections sealed).
- As a tap or "faucet".

1/4 Turn Valves are indicated by this marker '▪'

LLDPE Tubing

The John Guest PE Range of plastic tubing is produced in Linear Low Density Polyethylene for cold and intermittent hot water applications.

Our tubing provides the benefits of a wide range of temperature and pressure suitability, broad chemical compatibility and is made from non contaminating materials. Common applications are in water purification, water conditioners, ice makers and misting systems. LLDPE is more robust than traditional low or medium density polyethylene and is recommended for use with cold and intermittent hot water.

Our tubing is made from FDA approved materials and is NSF International certified.

John Guest Polyethylene tubing is designed for use with John Guest Super Speedfit Push-fit fittings, John Guest Shut-Off Valves and virtually all standard tubing connectors.

1/4" OD 0.17" ID - 500FT COILS

PART NO.	COLOUR
PE-08-BI-0500F-N	Natural
PE-08-BI-0500F-B	Blue
PE-08-BI-0500F-R	Red
PE-08-BI-0500F-E	Black
PE-08-BI-0500F-W	White
PE-08-BI-0500F-G	Green
PE-08-BI-0500F-Y	Yellow
PE-08-BI-0500F-O	Orange

Products shown in blue have a minimum order quantity of 100 coils.

3/8" OD 0.25" ID - 500FT COILS

PART NO.	COLOUR
PE-12-EI-0500F-N	Natural
PE-12-EI-0500F-B	Blue
PE-12-EI-0500F-R	Red
PE-12-EI-0500F-E	Black
PE-12-EI-0500F-W	White
PE-12-EI-0500F-G	Green
PE-12-EI-0500F-Y	Yellow
PE-12-EI-0500F-O	Orange

Products shown in blue have a minimum order quantity of 50 coils.

1/4" OD 0.17" ID - 1000FT COILS

PART NO.	COLOUR
PE-08-BI-1000F-N	Natural
PE-08-BI-1000F-B	Blue
PE-08-BI-1000F-R	Red
PE-08-BI-1000F-E	Black
PE-08-BI-1000F-W	White
PE-08-BI-1000F-Y	Yellow
PE-08-BI-1000F-O	Orange

Products shown in blue have a minimum order quantity of 100 coils.

1/2" OD 0.375" ID - 250FT COILS

PART NO.	COLOUR
PE-16-GI-0250F-N	Natural
PE-16-GI-0250F-B	Blue
PE-16-GI-0250F-R	Red
PE-16-GI-0250F-E	Black
PE-16-GI-0250F-W	White

5/16" OD 0.187" ID - 500FT COILS

PART NO.	COLOUR
PE-10-CI-0500F-N	Natural
PE-10-CI-0500F-B	Blue
PE-10-CI-0500F-R	Red
PE-10-CI-0500F-E	Black
PE-10-CI-0500F-W	White

LLDPE Tubing

Potable Water Applications

John Guest Ltd LLDPE tubing is suitable for potable cold water applications with a MAXIMUM chlorine content of 4 parts per million (4ppm). Heated water above 70ºF (20ºC) and/or pressures above the maximum will significantly reduce its service life.

Only black or blue tube should be installed in areas exposed to any light if biofilm growth is considered an issue. In this case other colours must be protected from exposure to light. Black tube is also UV stabilised and can be installed where exposed to direct sunlight (UV).

As part of good practice tubing should be inspected regularly. If there is any evidence of damage, hardening or cracking it should be replaced immediately.

NOTE: Hot and cold water plumbing systems must comply with UK or equivalent plumbing code for pipe and fittings.

4MM OD 2.5MM ID - 100M COILS

PART NO.	COLOUR
PE-04025-0100M-N	Natural
PE-04025-0100M-B	Blue
PE-04025-0100M-R	Red
PE-04025-0100M-E	Black
PE-04025-0100M-W	White

6MM OD 4MM ID - 100M COILS

PART NO.	COLOUR
PE-0604-0100M-N	Natural
PE-0604-0100M-B	Blue
PE-0604-0100M-R	Red
PE-0604-0100M-E	Black
PE-0604-0100M-W	White
PE-0604-0100M-G	Green
PE-0604-0100M-Y	Yellow
PE-0604-0100M-O	Orange

Products shown in blue have a minimum order quantity of 100 coils.

8MM OD 6MM ID 100M - COILS

PART NO.	COLOUR
PE-0806-100M-N	Natural
PE-0806-100M-B	Blue
PE-0806-100M-R	Red
PE-0806-100M-E	Black
PE-0806-100M-W	White
PE-0806-100M-G	Green
PE-0806-100M-Y	Yellow

Products shown in blue have a minimum order quantity of 100 coils.

10MM OD 7MM ID - 100M COILS

PART NO.	COLOUR
PE-1007-100M-N	Natural
PE-1007-100M-B	Blue
PE-1007-100M-R	Red
PE-1007-100M-E	Black
PE-1007-100M-W	White

12MM OD 9MM ID - 100M COILS

PART NO.	COLOUR
PE-1209-100M-N	Natural
PE-1209-100M-B	Blue
PE-1209-100M-R	Red
PE-1209-100M-E	Black
PE-0604-0100M-Y	Yellow

15MM OD 11.5MM ID - 100M COILS

PART NO.	COLOUR
PE-15115-0100M-B	Blue
PE-15115-0100M-R	Red
PE-15115-0100M-G	Green
PE-15115-0100M-E	Black

Products shown in blue have a minimum order quantity of 50 coils.

Minimum Order Quantities

Popular items denoted in black are generally in stock and available in minimum order quantities of 2 coils. Items listed in red are non-standard and are subject to minimum order quantities unless in stock and will incur a longer lead-time.

Accessories



Collet Covers

The slip-on Collet Cover shown in the illustration prevents accidental removal or tampering with tubing. Tubing can be inserted with the Collet Cover already attached to the fittings or the cover can slide into position afterwards. The cover is easily removed when required and comes in a variety of colours for colour coding.

Colours available - Suffix indicates colours

E = Black Y = Yellow B = Blue

R = Red S = Grey G = Green

Inch Sizes

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM1904S	5/32	10	1000
PI1906S	3/16	10	1000
PI1908S	1/4	10	1000
PM1908S	5/16	10	1000
PI1912S	3/8	10	500
PI1916S	1/2	10	500

Please indicate by suffix, colour required or grey will be supplied.

Metric Sizes

PART NO.	TUBE OD	BAG QTY	BOX QTY
PM1904E	4	10	1000
PM1905E	5	10	1000
PM1906E	6	10	1000
PM1908E	8	10	1000
PM1910E	10	10	500
PM1912E	12	10	500
PM1915E	15	100	400
PM1918E	18	10	200
PM1922E	22	50	200

15mm to 22mm sizes available in black as standard, white, red, or blue.

Please indicate by suffix, colour required or black will be supplied.



Flow Bend Clip

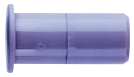
PART NO.	TUBE OD	BAG QTY	BOX QTY
PM2608S	8mm/5/16	10	300
PM2610S	10mm/3/8	10	200
PM2612S	12mm/1/2	5	80



Tube Insert

PART NO.	TUBE OD	TUBE ID	BOX QTY
TSI250S	3/8	1/4	1,000
TSI312S	3/8	5/16	2,500
TSI375S	1/2	3/8	500

PART NO.	TUBE OD	TUBE ID	BOX QTY
TSM1209S	12mm	- 9mm	1000



Tube Insert

PART NO.	TUBE OD	TUBE ID	BAG QTY	BOX QTY
TSM10N	10	7	50	1,000
TSM1209S	12	9	-	1,000
TSM15N	15	11.5	50	500



Plug

PART NO.	STEM OD	BAG QTY	BOX QTY
PM0804R	4	10	1000
PM0805R	5	10	1000
PM0806R	6	10	500
PM0808R	8	10	500
PM0810R	10	10	400
PM0812R	12	10	300
PM0815E	15	10	200
PM0818E	18	10	100
PM0822E	22	10	100

4mm - 12mm sizes in red.
15mm - 22mm sizes in black.
8mm size also available in black Part No. PM0808E.



Collet Locking Tool

PART NO.	SIZE	BOX QTY
ICLT/2	3/16 to 1/2	50



Tube Cutter

PART NO.	BOX QTY
TSNIP	50
BLADES only	300

Suitable for up to 12mm tube.



Pipe Cutter

PART NO.	BOX QTY
JG-TS	60

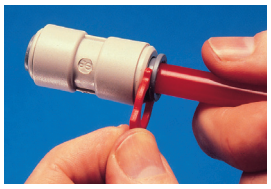
Suitable for up to 22mm tube.



Locking Clip

PART NO.	TUBE OD	BAG QTY	BOX QTY
PIC1808R	1/4	100	5000
PMC1808R	5/16	100	8000
PIC1812R	3/8	100	1000
PIC1816R	1/2	100	2000
PMC1815R	15mm	100	2000

Secures the collet in its position to prevent an accidental disconnection of the tube.



Technical specification

Working pressure and temperature range

Super Speedfit fittings are suitable for the following pressures and temperatures.

Temp.	Pressure 5/32" - 5/16" 4mm - 8mm	3/8" -1/2" 10mm - 22mm
Air		
-20°C	16 bar	10 bar
Portable Liquids and Air		
+1°C	16 bar	10 bar
+20°C	16 bar	10 bar
+65°C	10 bar	7 bar

Also suitable for vacuum.

Depending on the tube used, under certain conditions fittings may be used at higher pressures and temperatures. Please refer to our Customer Services Department for guidance. Note 1 Bar = 14.5 PSIG.

Tube types

Plastic Tube - Polyethylene, nylon and polyurethane conforming to the tolerances shown below. For soft tubing or thin wall tube we recommend the use of tube inserts.

Braided Tube - Use of Tube to Hose Stems listed on pages 14, 19, 21, 24 and 29 is essential when using tube. Use of clamps to retain braided tube on barbs is recommended.

Metal Tube (soft) - Brass, copper or mild steel conforming to the tolerances below.

Metal Tube (hard) - We do not recommend Super Speedfit fittings for hard metal or chromium plated tubes.

For stainless steel and other polished metal tubes we recommend the use of Superseal fittings. These are shown on page 12 of this brochure.
It is essential that outside diameters be free from score marks and that the tube be deburred before inserting the fitting.

Tube tolerances

Super Speedfit fittings are offered for tubes with outside diameters to the following tolerances.

Size (inches)	5/32 - 3/16	1/4 - 1/2
Tolerance (inches)	+0.001 / -0.003	+0.001 / -0.004
Size (mm)	4mm - 5mm	6mm - 22mm
Tolerance (inches)	+0.05 / -0.07	+0.05 / -0.10

Installation and system testing

Fittings and tube should be kept clean and undamaged before use.
All tube and fittings installations must be pressure tested after installation to ensure system integrity before handing over to the final user. See also "How to make a connection".

1/4 turn valves

These valves have been designed to allow temporary servicing of downstream equipment and must only be used in the fully open or fully closed position. DO NOT USE THESE VALVES: In a partially open position to control flow; to provide a permanent termination; without tubing assembled or plugged (or threaded connections sealed, or as a tap or "faucet".

Chemicals

For use with chemicals or other potentially aggressive liquids, please refer to our Customer Services Department. In general, use only water or oil based paint. DO NOT ALLOW CONTACT WITH Cellulose based paint, paint thinners or strippers, solder flux or aggressive cleaners (see Cleaners and Sanitising). Keep away from ozone generators such as electric motors, mercury vapour lamps and high voltage electrical equipment. Super Speedfit fittings are not recommended for use with explosive gases, petroleum spirits, and other fuels or for central heating systems.

Collet covers

Are available as additional security against removal of the tube or to provide a simple means of colour coding. The cover is offered in a range of six colours. Please see page 38 of this brochure.

Food quality

NSF standard 51 listed fittings in this brochure are produced in Food and Drug Administration (FDA) compliant materials and are therefore recommended for food quality applications. The majority of fitting in this catalogue are also supported by a John Guest declaration of compliance to European Regulation (EC) no.1935/2004.

Maximum torque values for plastic threads BSP, BSPT & NPT

Plastic threads are not generally as strong as brass threads. Customers and end users should be aware of this when choosing products for their applications. Overtightening of plastic threads will cause undue stress and eventual cracking and leakage. The maximum torque figures for BSP and BSPT threads used on John Guest fittings in mating threads conforming to the relevant BS or International thread standards are shown below.

Threads	1/8 - 1/4	3/8 - 1/2	3/4
Max. Torque	1.5Nm	3.0Nm	4.0Nm

John Guest recommend OEM customers to consider replacing threaded ports with the more modern Cartridge Systems. It is recommended that all installations are checked prior to use to determine that a seal has been made.

Maintenance and replacement intervals

John Guest products generally require little maintenance but as a minimum we recommend routine visual inspection. Frequency of visual inspection will depend on severity of application and risk of failure. If after visual inspection John Guest products appear damaged, cracked, charred, discoloured, heat distorted or corroded they should be replaced. Any product that is or appears to be leaking should be replaced. Product life is affected by the severity of the application, the hostility of the working environment and contact with aggressive chemicals or liquids. It is therefore important that specific replacement intervals be considered by specifiers/users/customers based on previous service life or when failure could result in unacceptable downtime, damage or injury risk.

Cleaners and sanitising of fittings

The external surfaces of John Guest products must not come into contact with oxidising or acidic cleaners and sanitising agents, for example (but not limited to) those below pH 4, high in sodium hypochlorite level (bleach) or containing hydrogen peroxide. Our plastic material suppliers recommend ECOLAB Oasis 133 as a suitable cleaner for the external surfaces of products manufactured by John Guest. Several different methods exist for sanitising the internal surfaces of fluid systems, including sodium hypochlorite, hydrogen peroxide, chlorine dioxide or ozone. It is entirely the responsibility of the end user to determine if the chosen method is suitable for use with John Guest products over the planned working life of the system. However, to avoid unnecessary early failure, John Guest requires that the disinfection solution must be immediately flushed out at all draw off points with fresh, wholesome water at the end of the disinfection period. The solution must not be left in the system. Disinfection solutions must only come into contact with the internal (fluid carrying) surfaces of the system. If any other surfaces of a fitting come into contact with disinfection solution the whole fitting must be replaced immediately. Polypropylene fittings offer greater resistance to aggressive chemicals than Acetal fittings but do not have the same mechanical properties. John Guest polypropylene fittings are generally designated by the part number prefix PP or PPM.

Side loads

John Guest products are not designed to be used whilst under side load as this may adversely affect their ability to function long-term. Always ensure tubes have good alignment with the fitting. They must also not be subjected to any form of impact or other damage, such as being hit or dropped, even accidently. If fittings have damaged or suffered an impact, they should be replaced immediately. John Guest warranty does not cover loss caused by any form of damage.

Warranty

Whilst we give a warranty against defects in manufacture or materials, it is the responsibility of the specifier to ensure that fittings and related products are suitable for their application. The installation must be carried out correctly in accordance with our recommendations, complying with recognised codes of practice and relevant national standards, and be properly maintained. Please refer to our terms and conditions of sale.

General Conditions of Sale

1. GENERAL
(a) These conditions and any special conditions agreed in writing between us and the purchaser shall apply to all quotations by us and all orders and contracts for the manufacture or sale of goods accepted or carried out by us to the exclusion of any conditions in the purchaser's order terms or otherwise imposed by the purchaser.
(b) All orders are subject to our written acceptance and in particular no binding contracts shall be created by the acceptance by the purchaser of a quotation or offer made by us unless and until we shall have accepted the order in writing.

2. DOCUMENTS
(a) Unless otherwise stipulated in our written acceptance all descriptions, illustrations, drawings in our catalogues and literature (copies of which are available on request) or submitted independently, estimates of performance, weights and measurements or other specifications provided by us are approximate only and we reserve the right to alter or amend the same at any time.
(b) We reserve the right at any time to correct clerical or technical errors in the contract documents.
(c) The purchaser shall furnish with his order all necessary specifications and information. We take no responsibility for goods manufactured, priced or delivered not in accordance with the order or the specifications unless the purchaser's order and specifications are clear and correct in every particular.

3. ADVISORY SERVICE
The advisory service which we provide in connection with our goods is part of our sales service and we do not make any charge for advice given. Any advice and assistance is given at the purchaser's risk and we shall not be liable for any loss, damage or claims arising therefrom.

4. HEALTH AND SAFETY AT WORK ACT
The purchaser's attention is drawn to the installation, maintenance and operating instructions given in our catalogues or literature. These should be carefully followed. Further information if required is available at our Head Office.

5. PRICES
(a) Unless otherwise stipulated all prices contained in our quotations and written acceptances are ex works and do not include the cost of packing. All orders are accepted on the condition that all such prices are subject to revision by us at any time before the goods are dispatched to take account of any increase in costs.
(b) In the event of the whole order quoted for not being placed with us we reserve the right to revise our prices.
(c) We also reserve the right to revise our prices if any changes are made by the purchaser in the specifications or quantities of the goods or delivery requirements after the order has been accepted.

6. VALUE ADDED TAX
VAT if not included in our quotation shall be added and payable where and at the rate applicable.

7. MINIMUM CHARGE
Depending on the product or service provided, a minimum order charge may be applicable. Details of these charges are as shown on current price lists or quotations or are available from the Customer Services Department.

8. TERMS OF PAYMENT
(a) Unless otherwise stipulated in our written acceptance our terms of payment are 30 days from date of invoice.
(b) Overseas business is accepted subject to special terms as to payment to be agreed prior to our written
acceptance of the order.
(c) Where the contract is to be or may be fulfilled in separate installments, deliveries or part payment for each such installment delivery or part shall be made under sub-clause (a) above as if the same constituted a separate contract.
(d) We shall be entitled to interest on all sums overdue at the rate of two and one half percent above our bank's base rate from time to time in force.
(e) In the event of the purchaser for any reason whatsoever failing within one calendar month of the due date for payment to effect any payment which may be due under the contract or any contract with us, or if he commits any breach of the contract, or if he becomes insolvent or commits any act of bankruptcy or calls a meeting of or enters into a competition with or for the benefit of his creditors, or being a body corporate, has a receiver appointed of its undertaking or assets or any part thereof or a winding up order is made against the purchaser or the purchaser goes into liquidation (save for the purpose or reconstruction or amalgamation), we shall thereupon be entitled, without prejudice to our other rights, forthwith to terminate the contract or any unfulfilled part thereof, or at our option to make partial deliveries.

9. CANCELLATION
No order or other contract may be cancelled or varied except by agreement in writing with us, and on such terms as we may stipulate.

10. HANDLING CHARGE
Goods supplied in accordance with the purchaser's order may later be returned to us at our discretion provided the goods are unused. The purchaser will be required to pay to us a handling charge of 15% to 30% of the then current list price of such returned goods, depending on the condition of the goods.

11. TIME FOR DESPATCH
(a) All periods or dates quoted for despatch and delivery are approximate only.
(b) We shall be entitled, without liability on our part and without prejudice to our other rights, to terminate the contract or any unfulfilled part thereof, or at our option to suspend or make partial deliveries if the completion or the manufacture of the goods by us or by our suppliers is prevented, hindered or delayed whether directly or indirectly by reason of the purchaser failing to furnish necessary information or instructions, or of any strikes, lock-outs, fire, flood, accident or damage to goods or delay in obtaining or inability to obtain through scarcity of materials, or any other cause whatsoever beyond our or our suppliers'
reasonable control, whether such cause exists at the date of the order or not.

12. DELIVERY AND RISK IN GOODS
(a) Unless otherwise expressly agreed in writing, or as otherwise herein provided, delivery of the goods shall be deemed to be made when we have notified the purchaser that the goods are ready for despatch from our works and the risk in the goods shall thereupon pass to the purchaser. We shall not in any event be under any obligation to give to the purchaser the notice specified in Section 32 (3) of the Sale of Goods Act 1979.
(b) Notwithstanding that our prices are ex works we are prepared by special contract to procure carriage or freight and insurance on behalf of the purchaser and at his cost in which event we shall be under no liability for damage in transit loss or damage to the goods beyond the point of which we contract to deliver the same.
(c) The following provisions shall apply in relation to all deliveries of goods.
(i) we will entertain no claim for damage in transit, shortage of delivery or loss of goods, unless in the case of damage in transit or shortage of delivery a separate notice in writing is given to the carrier concerned and to us within three days of the receipt of the goods, followed by a complete claim in writing within five days of receipt of the goods and in the case of loss of goods, a separate notice in writing is given to the carrier concerned and to us and a complete claim in writing made within thirty days of the date of consignment;
(ii) where goods are accepted from the carrier concerned without being checked the delivery book of the carrier concerned must be signed 'not examined';
(iii) we shall have the right to attend at the purchaser's premises to inspect any goods in respect of which any such claim is made and the purchaser shall retain such goods until we shall have inspected such goods or until we have notified the purchaser that we do not wish to inspect such goods;
(iv) any breach of this condition shall dis-entitle the purchaser to any allowance in respect of the claim.
(d) Without prejudice to our other rights, should the purchaser fail for any reason to send us forwarding instructions within ninety days after the date of our notification that the goods are ready for despatch or to accept delivery of the goods we shall be entitled at the purchaser's risk and expense to store the goods and/or to procure or effect storage of the goods elsewhere. Goods so stored shall be paid for as if they had been dispatched and/or accepted.

13. PROPERTY IN THE GOODS
Until further payment has been received by us for all goods whatsoever supplied at any time by us to the purchaser:
(a) Property in the goods shall remain in us.
(b) Subject to sub-clauses (c) and (d) below the purchaser shall be at liberty to sell the goods in the ordinary course of
business on the basis that the proceeds of sale shall be our property and that the purchaser shall account to us on demand.
(c) We may at any time revoke the purchaser's power of sale by notice to the purchaser if the purchaser is in default for longer than seven days in the payment of any sum whatsoever due to us or if we have bona fide doubts as to the solvency of the purchaser.
(d) The purchaser's power of sale shall automatically cease if the purchaser becomes insolvent or commits any act of bankruptcy or calls a meeting (of or enters into composition or arrangement with) or for the benefit of his creditors, or being a body corporate has a receiver appointed of its undertaking or assets or any part there of or a winding-up order is made against the purchaser or the purchaser goes into liquidation (save for the purposes of reconstruction or amalgamation).
(e) Upon determination of the purchaser's power of sale under sub-clause (c) or (d) above the purchaser shall place the goods at our disposal and we shall be entitled to enter any premises of the purchaser for the purpose of removing such goods from the premises.

14. SPECIAL TOOLS OR DIES
Where it is necessary for us to manufacture or to purchase special tools, dies, jigs, mandrills in order to execute a contract the purchaser will be charged with a proportion of the cost of such special tools. Any such tools remain our property even when the purchaser has been charged with part of the cost.

15. TEST AND PERFORMANCE
(a) Our goods are, where practicable, submitted to our standard test before delivery. If special tests are required, these shall be made at our premises unless otherwise agreed, and will be charged extra.
(b) We accept no liability for failure to attain any performance figures quoted by us unless we shall have specifically guaranteed them with an agreed sum as liquidated damages and the purchaser has suffered loss by reason of the failure to attain the figures quoted.
(c) Any particulars of weights and measurements, power and consumption, power output or performance relating to the goods and like matters furnished by us to the purchaser in our catalogues, literature or otherwise, are approximate and are intended only to present a general idea of the goods to be supplied and unless previously agreed specifically in writing shall not form part of the contract.

16. FAULTS AND DEFECTS AND EXCLUSION OF LIABILITY
(a) We warrant that if within twelve months of delivery of the goods to the purchaser the purchaser returns immediately to our premises any of the said goods which he considers to be defective, carriage paid, properly packed and clearly marked with the purchaser's full name and address and any other information such as serial numbers which may be necessary to enable the goods to be identified, together with a complete description of the respects in which it is alleged that the goods are defective, such goods will be examined and should we be satisfied that the goods are defective, they will be repaired or new goods will be supplied in exchange and the goods so repaired or such new goods will be delivered to the purchaser free of charge at our premises provided that the foregoing warranty shall only be applicable if upon being required by us to do so the purchaser proves to our satisfaction:
(i) that the defect was due solely to defective workmanship;
(ii) that no alterations or repairs have been made to the goods except with our written consent;
(iii) that the defect was not caused by incorrect or negligent handling or storage, disregard of operating instructions, over-loading, unsuitable work, faulty erection or any other default by the purchaser, his servants or agents;
(iv) that the defect was not caused by fair wear and tear, accident, or any other matter beyond our reasonable control occurring after the date of receipt by the purchaser.
(b) All costs and expenses, including freight charges, customs duties and insurance costs incurred in returning the goods to our premises in accordance with this condition shall be for the account of the purchaser. The benefit of this warranty shall not be assignable by the purchaser.
(c) The warranty contained in sub-paragraph (a) above does not extend to any goods not manufactured by us although supplied by us nor does it extend to any second-hand or reconditioned goods. Goods not manufactured by us carry only the warranty (if any) of the makers and the purchaser is entitled to the benefit thereof only so far as we have the power to
transfer it.
(d) The terms of this condition are in lieu of all conditions, warranties or other terms as to description, fitness for
purpose, condition, merchantability, quality or otherwise in respect of the goods or repaired or replacement goods whether expressed in the contract or implied by common law, custom or statute and notwithstanding that such purpose or condition may be, may become or may have been known to us. Apart from our obligation to repair or replace goods in accordance with the terms of this condition, we accept no liability in respect of the goods whether for consequential loss or loss of profits or damages to third parties or otherwise to the extent permitted by law.

17. INDEMNITY
The purchaser shall indemnify us against all actions, claims, demands, penalties and costs by third parties in tort, or for infringement, or alleged infringement, of patents, registered designs or other industrial property rights, or otherwise arising, in connection with the goods or with their delivery or unloading or with work done by us on the goods manufactured in accordance with the purchaser's specifications.

18. LIEN
In addition to any right of lien to which we may by law be entitled we shall have a general lien on all goods of the purchaser in our possession although such goods or some of them may have been paid for for the unpaid price of any other goods sold and delivered to the purchaser by us under the same or other contracts.

19. WAIVER
Our rights shall not be affected or restricted by any indulgence or forbearance granted to the purchaser. No waiver by us of any breach shall operate as a waiver of any later breach.

20. LAW AND JURISDICTION
The rights and obligations of the parties and all the terms and conditions thereof any disputes arising out thereof shall be construed in accordance with English Law to the jurisdiction of the courts of which the purchaser shall submit.

21. GENERAL
If any of these conditions or any part thereof:
(i) purports to exclude or restrict or limit any liability and such exclusion or restriction or limitation is prohibited or rendered void or unenforceable by any legislation to which it is subject;
(ii) is itself prohibited or rendered void or unenforceable by any legislation to which it is subject;
then the exclusion restriction or limitation on the condition or part thereof in question shall be so prohibited or rendered void or unenforceable to the extent to which it is prohibited or rendered void or unenforceable and no further and the validity or enforceability or any other part of these conditions shall not thereby be affected.

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Manufactured & distributed by Reliance Worldwide Corporation.
Z2105/126/0822

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