

Quality & Approvals

Innovation and Quality at TUCAI

Quality is fully standardized as the 3 production sites of TUCAI Group have been audited by the most important certifying bodies. Our staff keeps control checkpoints throughout the process and strict inspection procedures ensure the best possible products reach our customers, as part of a Total Quality Management (TQM) system documented by ISO 9001:2000 certification.



ISO 9001: 2000		OIL FUEL	

GAS GAZ			

WATER EAU			

Our most valuable asset is our employees, always at the best of the operation to provide a powerful commitment to customer service as our logistics enable us to fill our customers' orders. They are proud to be part of the TUCAI Group.

Our customers rely on us to provide them with expert services and advice that deliver extra value. Our goal is to help them gain competitive advantage with tailored solutions that ensure quality products and increased competitiveness.



**STAINLESS STEEL
CONNECTORS**



Stainless Steel Braided Connectors DN6 TAQ PEX MINI



TAQ PEX MINI is a new universal connector range with improved hygienic attributes that incorporates an advanced cross-linked polyethylene. It has been successfully tested and approved by most international certification bodies. Refer to page 35 for more information on Approvals. It is available with 3/8" or 1/2" nut or 8x1 or 10x1 male fitting; length upon request.



Technical Specifications



Inner diameter (mm)
6



Outer diameter (mm)
10



Fitting inner diameter (mm)
4.5



Flow rate at 3 bar (lit/min)
16



Minimum bending radius (mm)
25



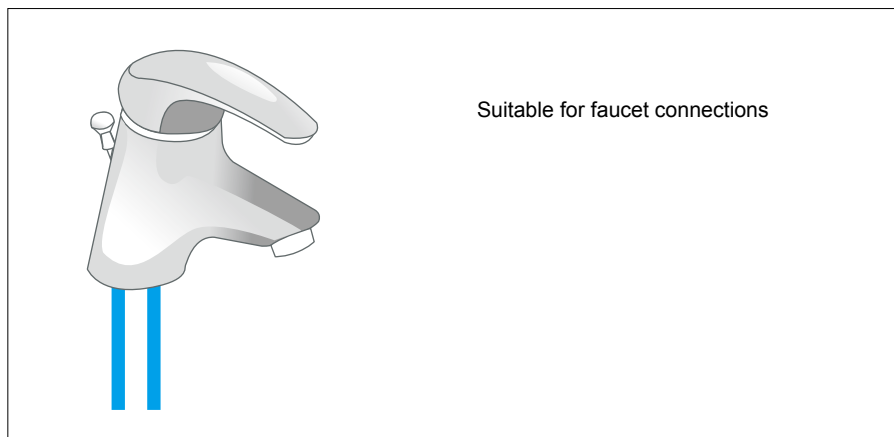
Working pressure (bar)
10



Working temperature (°C)
90

Materials

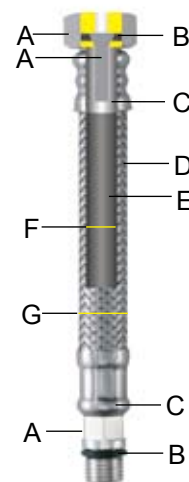
Applications



Range

We can provide all combinations of lengths & fittings according to customer requirements. Below are our most common models.

Designation	Dimension	Code		Code	Dimension	Designation
Nut	3/8", 1/2"	H(G)		M	8x1, 10x1	Male fitting



- A. Nickel-plated brass
- B. Incorporated EPDM O-ring
- C. Stainless steel AISI304
- D. Stainless steel wires AISI 304
- E. PE-X
- F. Internal diameter \varnothing 6mm
- G. External diameter \varnothing 10mm

Stainless Steel Braided Connectors DN8 TAQ PEX



TAQ PEX belongs to the new universal connector range developed to suit OEM and Retail customer requirements worldwide. It incorporates an advanced cross-linked polyethylene with improved hygienic attributes especially designed for sanitary applications.



Recommended for sanitary & plumbing applications

Technical Specifications



Inner diameter (mm)
8



Outer diameter (mm)
12



Fitting inner diameter (mm)
6



Flow rate at 3 bar (lit/min)
28



Minimum bending radius (mm)
30

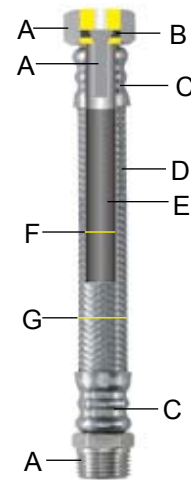


Working pressure (bar)
10



Working temperature (°C)
90

Materials



- A. Nickel-plated brass
- B. Incorporated EPDM
- C. Stainless steel AISI304
- D. Stainless steel wires AISI304
- E. PE-X
- F. Internal diameter \varnothing 8mm
- G. External diameter \varnothing 12mm

Range

Designation	Dimension	Code		Code	Dimension	Designation
Nut	3/8", 1/2"	H(G)		H(G)	3/8", 1/2"	Nut
Nut	3/8", 1/2"	H(G)		M	3/8", 1/2"	Male fitting
Nut	3/8", 1/2"	H(G)		M	8*1, 10*1, 12*1	Male fitting
Nut	3/8", 1/2"	H(G)		L	10	Tube
Nut	3/8", 1/2"	H(G)		BICO 1P	10, 12, 14, 15	Compression fitting
Male fitting	3/8", 1/2"	M		BICO 1P	10, 12, 14, 15	Compression fitting
Compression fitting	10, 12, 14, 15	BICO 1P		BICO 1P	10, 12, 14, 15	Compression fitting
Tube	10	L		BICO 1P	10, 12, 14, 15	Compression fitting
Nut	3/8", 1/2"	H		BICO 3P	10, 12, 14	Compression fitting
Male fitting	3/8", 1/2"	M		BICO 3P	10, 12, 14	Compression fitting
Compression fitting	10, 12, 14	BICO 3P		BICO 3P	10, 12, 14	Compression fitting
Tube	10	L		BICO 3P	10, 12, 14	Compression fitting
Nut	3/8", 1/2"	H(G)		CODO H	3/8", 1/2"	Elbow fitting
Male fitting	3/8", 1/2"	M		CODO H	3/8", 1/2"	Elbow fitting

Stainless Steel Braided Connectors DN6 TAQ MINI



TAQ MINI range is designed to cope with faucet manufacturers' special requirements. It is available with 3/8" or 1/2" nut and 8x1 or 10x1 male fitting; length upon request.



Technical Specifications



Inner diameter (mm)
6



Outer diameter (mm)
10



Fitting inner diameter (mm)
4.5



Flow rate at 3 bar (lit/min)
16



Minimum bending radius (mm)
25

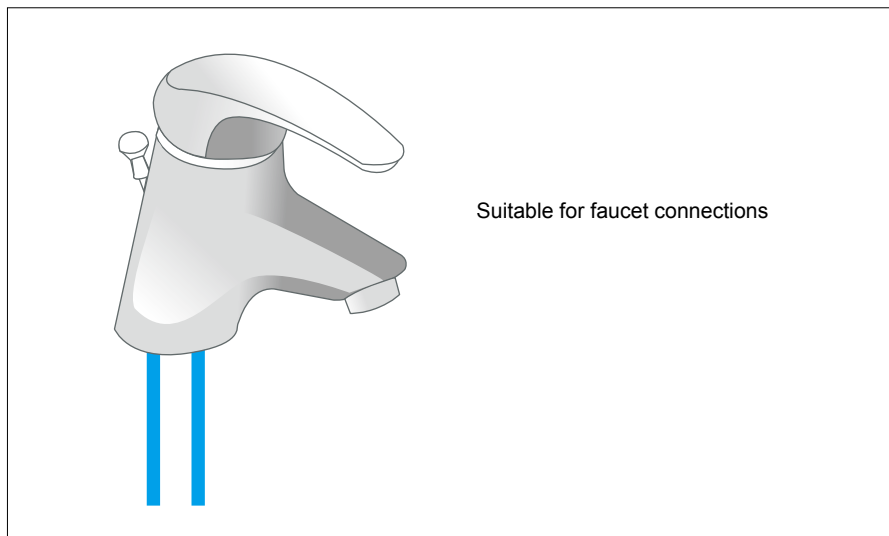


Working pressure (bar)
10

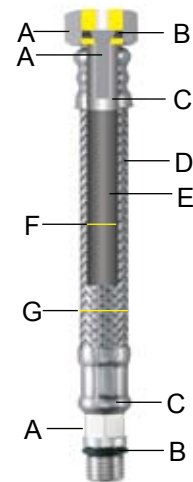


Working temperature (°C)
90

Applications



Materials



- A. Nickel-plated brass
- B. Incorporated EPDM O-ring
- C. Stainless steel AISI304
- D. Stainless steel wires AISI 304
- E. EPDM
- F. Internal diameter \varnothing 6mm
- G. External diameter \varnothing 10mm

Range

We can provide all combinations of lengths & fittings according to customer requirements. Below are our most common models.

Designation	Dimension	Code		Code	Dimension	Designation
Nut	3/8", 1/2"	H(G)		M	8x1, 10x1	Male fitting

Stainless Steel Braided Connectors DN8 TAQ



TAQ is specially designed for sanitary & plumbing applications. A complete range of fittings & models are available to suit both OEM & RETAIL customer requirements.



Applications

Recommended for sanitary & plumbing applications

Technical Specifications



Inner diameter (mm)
8



Outer diameter (mm)
12



Fitting inner diameter (mm)
6



Flow rate at 3 bar (lit/min)
28



Minimum bending radius (mm)
30

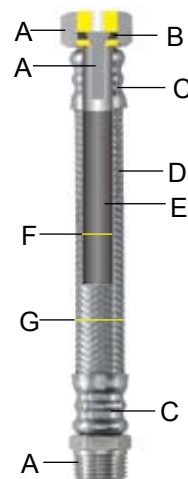


Working pressure (bar)
10



Working temperature (°C)
90

Materials



- A. Nickel-plated brass
- B. Incorporated EPDM
- C. Stainless steel AISI304
- D. Stainless steel wires AISI304
- E. EPDM
- F. Internal diameter \varnothing 8mm
- G. External diameter \varnothing 12mm

Range

Designation	Dimension	Code		Code	Dimension	Designation
Nut	3/8", 1/2"	H(G)		H(G)	3/8", 1/2"	Nut
Nut	3/8", 1/2"	H(G)		M	3/8", 1/2"	Male fitting
Nut	3/8", 1/2"	H(G)		M	8*1,10*1,12*1	Male fitting
Nut	3/8", 1/2"	H(G)		L	10	Tube
Nut	3/8", 1/2"	H(G)		BICO 1P	10,12,14,15	Compression fitting
Male fitting	3/8", 1/2"	M		BICO 1P	10,12,14,15	Compression fitting
Compression fitting	10,12,14,15	BICO 1P		BICO 1P	10,12,14,15	Compression fitting
Tube	10	L		BICO 1P	10,12,14,15	Compression fitting
Nut	3/8", 1/2"	H		BICO 3P	10,12,14	Compression fitting
Male fitting	3/8", 1/2"	M		BICO 3P	10,12,14	Compression fitting
Compression fitting	10,12,14	BICO 3P		BICO 3P	10,12,14	Compression fitting
Tube	10	L		BICO 3P	10,12,14	Compression fitting
Nut	3/8", 1/2"	H(G)		CODO H	3/8", 1/2"	Elbow fitting
Male fitting	3/8", 1/2"	M		CODO H	3/8", 1/2"	Elbow fitting
Nut	3/8", 1/2"	H(G)		LLAVE M	1/2"	Ball valve

Stainless Steel Braided Connectors DN8 / DN13 TAQTITE



DN8 / DN13 TAQTITE is the latest range of stainless steel braided connectors with quick fittings designed for the application in faucets. The inner EPDM tube is suitable for water suppliers intended for human consumption. It can be easily disassembled and reused. This range is available with 3/8", 1/2", 3/4" nut & a variety of dimensions for quick fittings; length upon request.



Technical Specifications



Inner diameter (mm)
8 / 13



Outer diameter (mm)
12 / 19



Fitting inner diameter (mm)
5.3 / 9.5



Flow rate at 3 bar (lit/min)
28 / 65



Minimum bending radius (mm)
30 / 45



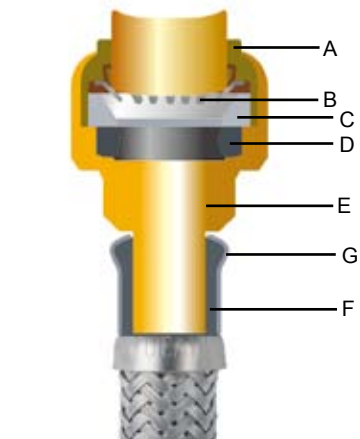
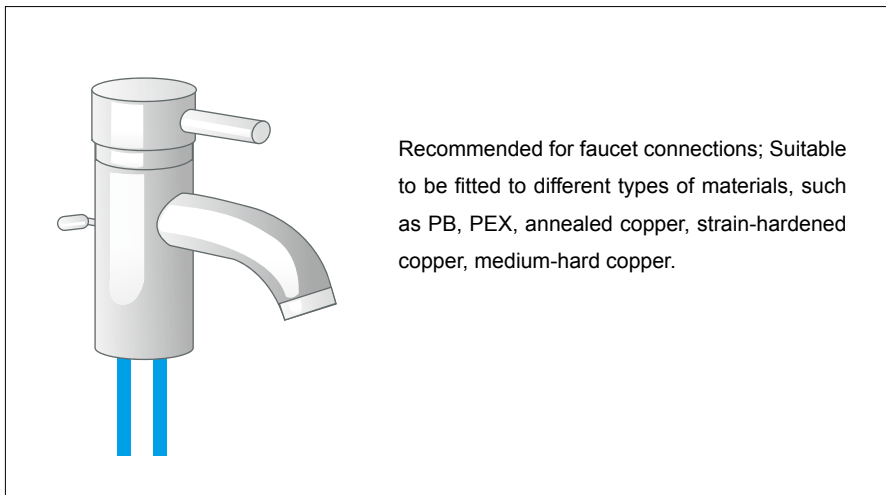
Working pressure (bar)
10



Working temperature (°C)
90

Materials

Applications



- A. Disconnecting clip
- B. Stainless steel grab ring
- C. Tube stop
- D. EPDM O-ring
- E. Brass
- F. Elastomer liner
- G. AISI 304 stainless steel ferrule

Range

Designation	Dimension	Code		Code	Dimension	Designation
Nut	3/8, 1/2"	H		ER	10, 12, 14	Quick fitting
Quick fitting	10, 12, 14	ER		ER	3/4"	Quick fitting

Stainless Steel Braided Connectors DN11 TAQ FORTE



DN11 TAQ FORTE has been specially designed for the connection of heaters & boilers. This range is available with 1/2" nut, 1/2" male fitting & 1/2" elbow; length upon request.



Technical Specifications



Inner diameter (mm)
11



Outer diameter (mm)
16



Fitting inner diameter (mm)
8.5



Flow rate at 3 bar (lit/min)
50



Minimum bending radius (mm)
35

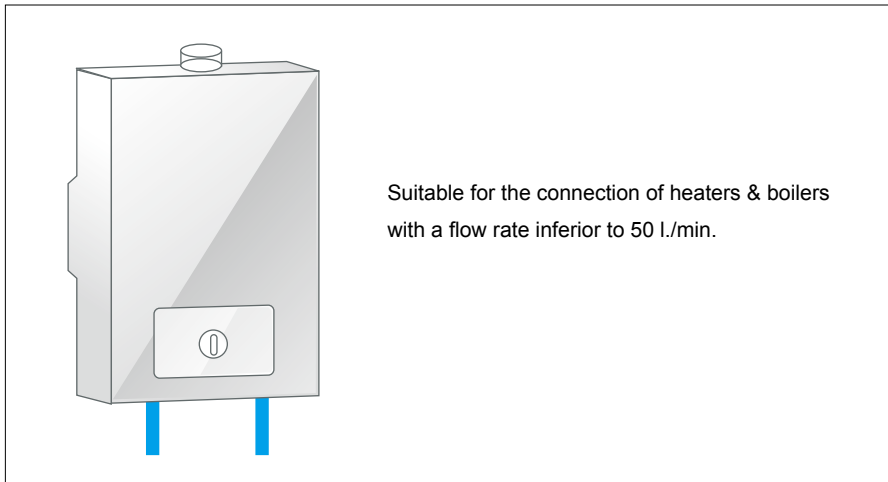


Working pressure (bar)
10

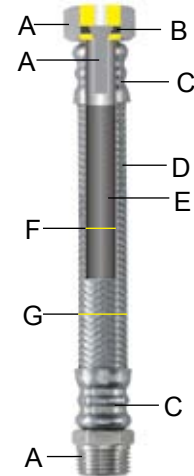


Working temperature (°C)
90

Applications



Materials



- A. Nickel-plated brass
- B. Incorporated EPDM
- C. Stainless steel AISI304
- D. Stainless steel wires AISI304
- E. EPDM
- F. Internal diameter \varnothing 11mm
- G. External diameter \varnothing 16mm

Range

Designation	DDimension	Code		Code	Dimension	Designation
Nut	1/2"	H(G)		H(G)	1/2"	Nut
Male fitting	1/2"	M		H(G)	1/2"	Nut
Nut	1/2"	H(G)		CODO H	1/2"	Elbow fitting
Male fitting	1/2"	M		CODO H	1/2"	Elbow fitting

Stainless Steel Braided Connectors DN13 TAQ SUPER



TAQ SUPER is designed for heaters, boilers & air-conditioning connections. Available with nuts, male fittings & elbows of 1/2" & 3/4"; length upon request.



Technical Specifications



Inner diameter (mm)
13



Outer diameter (mm)
19



Fitting inner diameter (mm)
9.5



Flow rate at 3 bar (lit/min)
65



Minimum bending radius (mm)
45

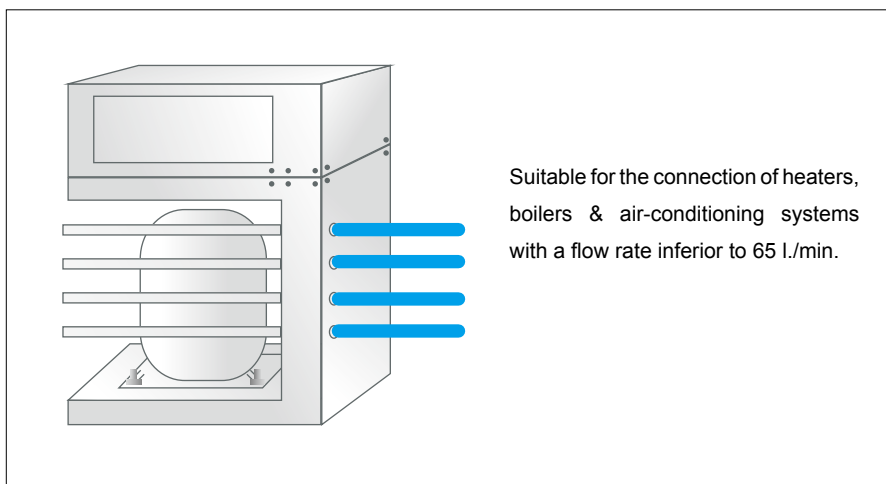


Working pressure (bar)
10

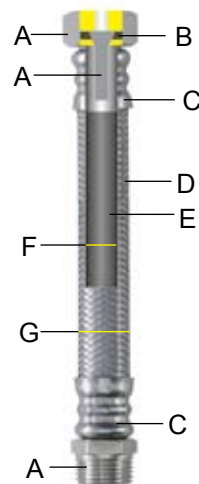


Working temperature (°C)
90

Applications



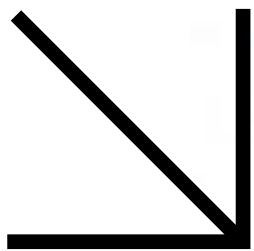
Materials



- A. Nickel-plated brass
- B. Incorporated EPDM
- C. Stainless steel AISI304
- D. Stainless steel wires AISI304
- E. EPDM
- F. Internal diameter \varnothing 13mm
- G. External diameter \varnothing 19mm

Range

Designation	Dimension	Code		Code	Dimension	Designation
Nut	1/2", 3/4"	H(G)		H(G)	1/2", 3/4"	Nut
Male fitting	1/2", 3/4"	M		H(G)	1/2", 3/4"	Nut
Nut	1/2", 3/4"	H(G)		CODO H	1/2", 3/4"	Elbow fitting
Male fitting	1/2", 3/4"	M		CODO H(G)	1/2", 3/4"	Elbow fitting



SHOWER
HOSES & CONNECTORS



Shower Hoses

Certified Double-lock Shower Hoses in Brass



TUCAI offers certified double-lock shower hoses in brass, with available lengths 1500mm, 1750mm & 2000mm.



Technical Specifications



Inner diameter (mm)
7.4



Outer diameter (mm)
14



Fitting inner diameter (mm)
6.2



Flow rate at 3 bar (lit/min)
45



Minimum bending radius (mm)
37



Working pressure (bar)
5

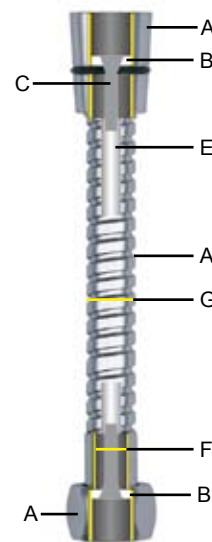


Working temperature (°C)
70

Applications



Materials



A. Chrome-plated brass

B. Plastic

C. Brass

E. PVC

F. Internal diameter \varnothing 7.4mm

G. External diameter \varnothing 14mm

Range

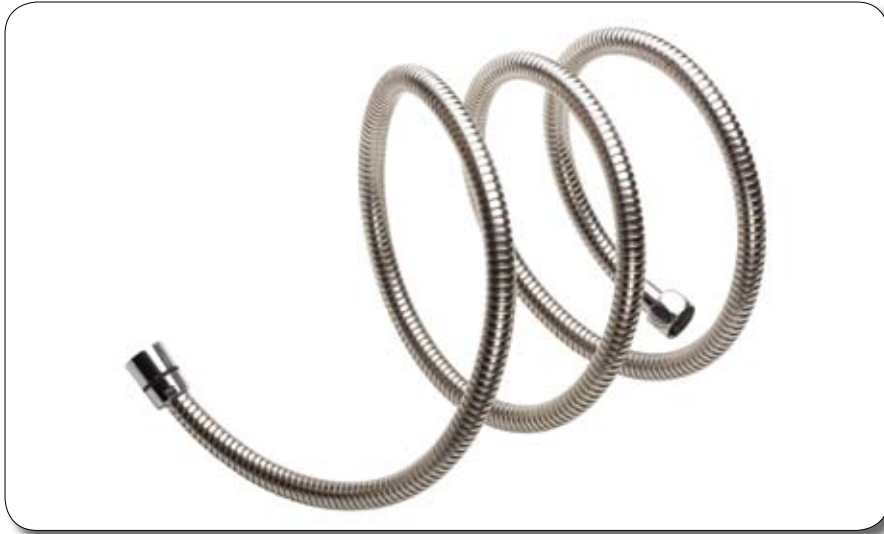
Designation	Dimension	Code		Code	Dimension	Designation
Rounded Nut	1/2"	G		G	1/2"	Conical nut

Shower Hoses

Certified Double-lock Shower Hoses in Stainless Steel



TUCAI offers certified double-lock shower hoses in stainless steel, with available lengths 1500mm, 1750mm & 2000mm.



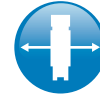
Technical Specifications



Inner diameter (mm)
7.4



Outer diameter (mm)
14



Fitting inner diameter (mm)
6.2



Flow rate at 3 bar (lit/min)
26



Minimum bending radius (mm)
37

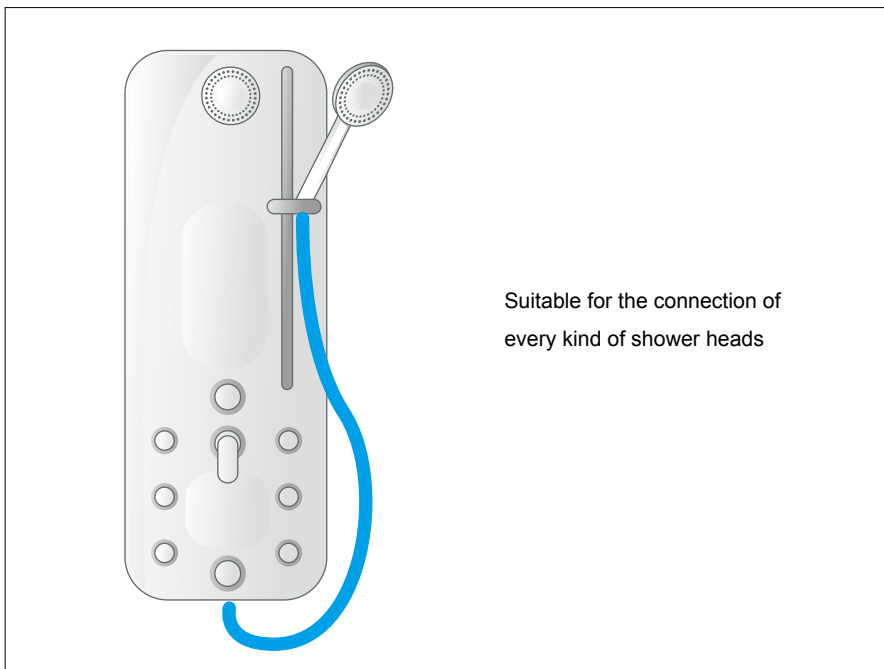


Working pressure (bar)
5

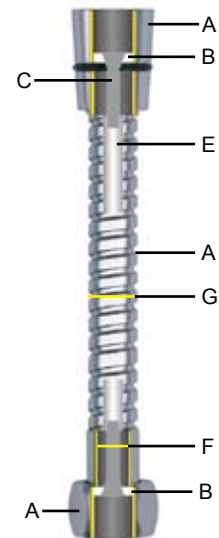


Working temperature (°C)
70

Applications



Materials



A. Chrome-plated brass

B. Plastic

C. Brass

E. PVC

F. Internal diameter \varnothing 7.4mm

G. External diameter \varnothing 14mm

Range

Designation	Dimension	Code		Code	Dimension	Designation
Rounded Nut	1/2"	G		G	1/2"	Conical nut

PVC Reinforced Tube PVC



ACS certified PVC hoses, specially designed for connections in shower cabin; available from 6mm to 13mm.



Technical Specifications



Minimum bending radius (mm)

20



Working pressure (bar)

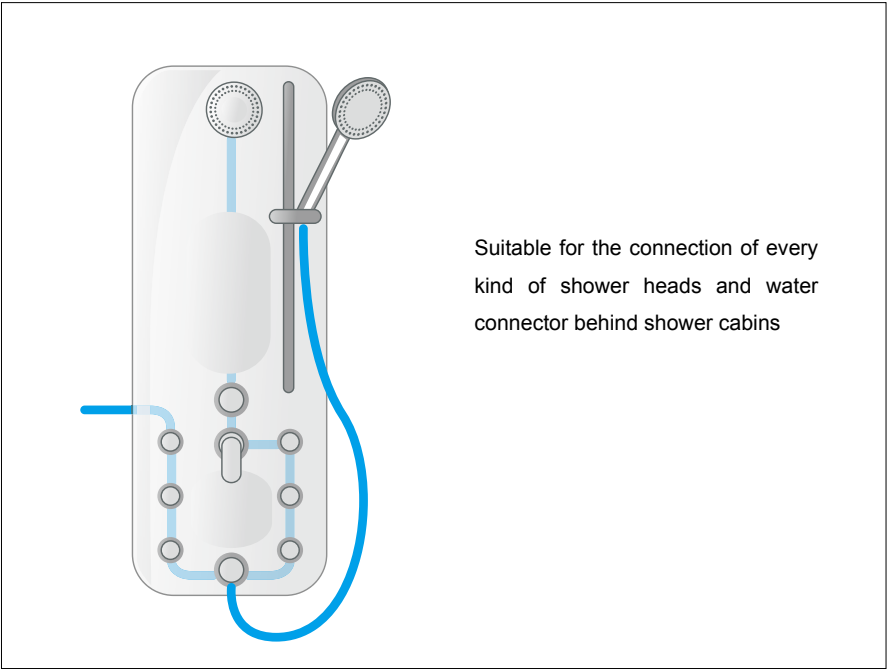
5



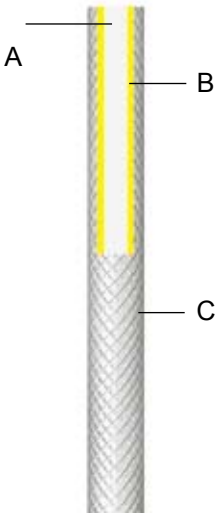
Working temperature (°C)

70

Applications



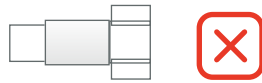
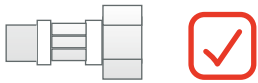
Materials



- A. PVC
- B. Braided fibre
- C. PVC

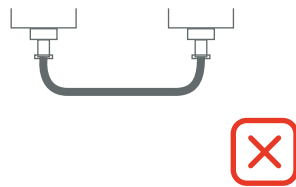
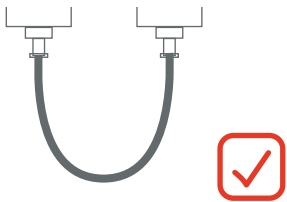
Directions For Installation

To make the best use of TUCAI products, please follow the underneath notice when installing the connectors.



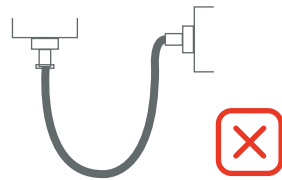
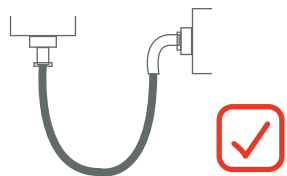
Crimped ferrule

Make sure the ferrules are crimped before installing.



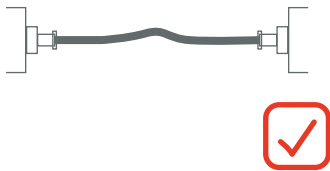
Natural bending

Respect the natural bending.



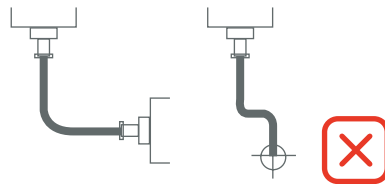
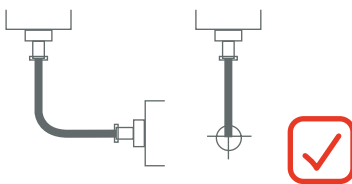
Minimum bending radius

Use elbow fittings instead, in order to avoid over-bending.



Extra length

Extra length is needed to avoid tension on fittings.



No twist

The hose should not be twisted.

Approvals

	Stainless Steel Water Flexible Connectors				Shower hoses & Connectors			Stainless Steel Gas Connectors				Flexible Connectors for Industrial Applications			
	TAQ PEX	TAQ	TAQTITE	TAQ FORTE	TAQ SUPER	PVC SUPER FLEXO REFORZ	PRESINOX EXTENSIBLE	TUGAS	PRESINOX 14800	RIVER INOX	TAQ SUPER 15	TAQ EXTRA	RIVER INOX	TAQ	RIVER
SPAIN		AENOR						AENOR							
FRANCE	CSTB ACS	CSTB ACS	CSTB ACS	CSTB ACS	ACS	ACS					ACS	CSTB			
HOLLAND	KIWA	KIWA	KIWA	KIWA											
GERMANY	DVGW KTW-A / W270											GW354 type test			
SWITZERLAND	SVGW <small>(Pending)</small>	SVGW													
UK	WRAS	WRAS	WRAS												
DENMARK	ETA VA	ETA VA			ETA										
SWEDEN	SITAC														
FINLAND	STF														
POLAND		PZH/ INSTAL		PZH/ INSTAL	PZH/ INSTAL						PZH/ INSTAL	PZH/ INSTAL	PZH/ INSTAL	PZH/ INSTAL	
CHECK REP		CQ		CQ	CQ								CQ	CQ	
HUNGARY		EMI		EMI	EMI			MMBH							
ROMANIA		ICECON AR		ACECON AR	ICECON AR			ICECON-AR					ICECON AR		
EU															
CROACIA		BIRO		BIRO											
UKRAINE		UA		UA	UA								UA	UA	UA
BELARUS															
USA	NSF-61/9														
AUSTRALIA	WATERMARK														
SOUTHAFRICA		SABS													