



**We provide superior performing compressed air & fluid systems with engineered longevity to reduce operating costs and improve productivity.**

### **AIRpipe CHINA**

Tel: +86 574 5587 6761  
Fax: +86 574 8788 5151  
No.18 MoGanShan Road, BeiLun District, NingBo, China 315800  
Email: [info@airpipetech.com](mailto:info@airpipetech.com)  
Web: <http://www.airpipetech.com/en/>

### **AIRpipe KOREA**

Tel: 82-01031743896  
No.201,124-24, Dorim-ro, Yeongdeungpo-gu, Seoul, Republic of Korea 07416  
Email: [ethan@airpipetech.com](mailto:ethan@airpipetech.com)  
Web: <http://www.airpipetech.com/kr/>

### **AIRpipe TAIWAN**

Tel: +886-3-5889930 Fax: +886-3-5889970  
No. 283-41, Baozhong Rd., Xinpu Township, Hsinchu Country 305, Taiwan (R.O.C.)  
Email: [jeff\\_lung@airpipetech.com](mailto:jeff_lung@airpipetech.com)  
Web: [www.airpipetech.com](http://www.airpipetech.com)

### **AIRpipe INDIA**

Tel: 011-4953588, 4175588  
709, Shahpuri Tower, C-58, Janakpuri, New Delhi - 110058  
Email: [sales@airpipe.in](mailto:sales@airpipe.in)  
Web: [www.airpipe.in](http://www.airpipe.in)

### **AIRpipe EUROPE**

Tel: +33 (0)2 40 05 10 20  
4 impasse Augustin Fresnel, 44800 Saint-Herblain, France  
Email: [contact@airpipe-Europe.com](mailto:contact@airpipe-Europe.com)  
Web: [www.airpipe-europe.com](http://www.airpipe-europe.com)

### **AIRpipe VIETNAM**

Tel: 02873001984  
3/18 Le Thi Rieng, Quarter 1, An Thoi Ward, District 12, HCMC, Vietnam  
Email: [chenjs@airpipetech.com](mailto:chenjs@airpipetech.com)  
Web: <http://www.airpipetech.com/vie/>



## **ENGINEERED FOR SUPERIOR PERFORMANCE**

*Stainless Steel Piping System for Liquids and Gases*

### **Corporate Headquarters -**

#### **AIRpipe USA**

Tel: 602.362.PIPE (7473)  
6855 S Kyrene Rd, Suite #101, Tempe, AZ 85283  
Email: [customerservice@airpipeusa.com](mailto:customerservice@airpipeusa.com)  
Web: [www.airpipeusa.com](http://www.airpipeusa.com)



\* AQUApipe is a product brand in AIRpipe Group.

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AQUApipe is a complete stainless steel piping system for liquid and gas conveyance in a wide range of applications. Our company has operated for over 20 years within the piping industry. During this time we have become a global leader in innovative design and manufacturing. Continued investment in R&D ensures user and installer feedback influences our innovations.



AQUApipe is a quick, clean, and simple system to install. The technology has evolved the piping industry and offers considerable savings.

AQUApipe is a product brand within the AIRpipe Group. We're committed to total system solutions. Our services unit is available to assist with application questions, system design, take-offs, and training within the liquid and compressed gas piping industry.



## Why use AQUApipe?

- The most economical stainless steel pipe and fitting system from 1/2" to 10".
- AQUApipe is a proven technology designed with a simple and robust connection for long-term system reliability.
- AQUApipe is a flameless and clean system that greatly shortens repair and installation times, resulting in a +50% reduction to traditional installed costs.
- Seal and material options allow for the conveyance of nearly any liquid or gas.
- AQUApipe press fittings don't require expensive tooling and can be installed in under 1 minute.



You don't have time to deal with welding and threading.

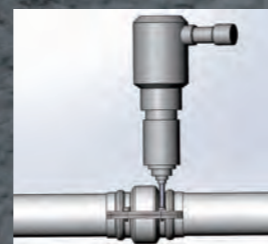


- AQUApipe applied in Compressed Air, Vacuum, Process Waters, Die Coolant, Oil, etc.

## OUR TECHNOLOGY



Clamp connection



### ◀ 5" to 10"

- Clampshell union connector, quick install & re-assembly.
- Convex ring, allowing for a full-bore inner diameter.
- Active concentric sealing for a leak free connection.
- Superior reliability & longevity.



### 1/2" to 4" ▶

- Built-in sealing, options for gases and liquids.
- Extended fitting sleeve to keep pipe straight.
- Quick-press installation to reduce labor.
- Superior reliability & longevity.



Press connection



## Disadvantages of PPR Pipe



- Aging from UV, not suitable for outdoor installation.
- Bacteria will grow inside the pipe.
- Heat expansion is 8 times that of SS, resulting in risks with high and low temps.
- Inner flow restriction due to fused weld material extruding inside the pipe.

## Disadvantages of Carbon Steel Pipe



- Oxidization and rust on both the interior and exterior.
- High friction of inner surface that will disrupt and pollute the fluid.
- Heavy pipe and high labor cost to weld/thread/flange.

# AQUApipe Features & Benefits



- International standards 304/316 stainless steel.
- Premium quality for water, air/ gas and other compatible fluids.
- Widely used in industries like food & beverage, medical & chemical productions, pharmacy etc.



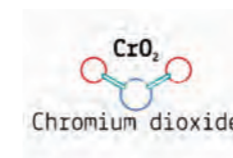
- Wide temperature and chemical range available through seal options.
- Moderate expansion characteristics & high tensile strength.
- No risk of breaking due to water freezing.



- 10 year warranty for all AQUApipe fittings.
- Stability for all extreme weather conditions.
- Elastomeric connections absorb vibration/expansion/ contraction.



- Corrosion resistance due to chromium dioxide layer.
- Smooth inner surface ensure best flow characteristics.
- No risk of contamination to conveyed fluids.



### AQUApipe vs PPR Pipe



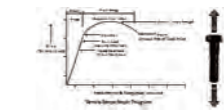
	Items	AQUApipe (304)	PPR pipe	Remark
Corrosion Resistance	Tensile strength(kpsi)	≥75.419	≥7.106	PPR's strength is only 9.2% of AQUApipe.
	UV impact	No impact	Aging	Plastic ages rapidly in UV light.
	Expansion factor(10 <sup>-6</sup> m/°C) (0-100°C)	16	70	Expansion is 8 times of AQUApipe, risk of leaking/ breaking due to temperature change.
	Lowest temperature	-40°F, sealing -454°F	23°F	PPR becomes brittle in subzero temperatures.
	Highest temperature	248°F, sealing 752°F	194°F	Risk of toxic materials separating out of PPR when temps are above 194°F.
Environmental Protection	System Contamination	No	Can occur	Contamination can leech into PPR.
	Toxic materials	No	Possible	Leeching into fluids is possible.
	Odours	No	Possible	Leeching into fluids is possible.
	Recycle	Recycle	Non-degradation	Can not be 100% recycled.
	Lifetime	≥100 years	5-20 years	¼ the lifetime of AQUApipe.

### Physical Performance of Different Pipes



Pipe Materials	Density (lb/ft <sup>3</sup> )	Expansion Factor (10 <sup>-6</sup> m/°C)	Thermal Conductivity (W/m°C)	Specific Heat Conductivity (J/KG°C)	Resistivity (Ωkmm <sup>2</sup> /m)	Young's Modulus (kpsi)	Magnetism
AQUApipe	495	16	15	500	0.72	29	No
Carbon steel pipe	490	11.6	60	60	0.14	30	Yes
Plastic pipe	UPVC	84.3	70	0.05	1470	C.10-18	/
	PE, PEX, PB	59.3	140				
	PP-R	56.2	110				

### Tensile Strength of Metal Pipes



Pipe Type	Material	Tensile Strength (kpsi)	Elongation (%)
AQUApipe	304	75.400~108.750	□35
	304L	69.600~97.150	
	316	75.400~98.600	
	316L	69.600~89.900	
Carbon steel	Carbon steel	33.350~42.050	□30
Copper	Copper	30.450~55.100	□40

### Flow Rate Comparison



Pipe Materials (cfm)	Nominal Diameter					
	½	¾	1	1 ¼	2	2 ½
AQUApipe	0.247	0.565	1.2	1.871	6.144	10.488
Copper pipe	0.212	0.53	1.06	1.8	5.65	9.358
Galvanized pipe	0.212	0.459	0.883	1.73	4.873	9.358
Plastic pipe	0.176	0.388	0.847	1.765	5.4	/

\* Inner roughness of material has a major affect on flow.

# PRODUCT LIST

\* Standard PNs for 304 SS with EPDM seals, 316 SS and different seal materials are available

## 304 STAINLESS STEEL PIPE

19 ft Length

AQUApipe	DN	Thickness mm
S10000	1/2"	0.8
S11000	3/4"	1.0
S12000	1"	1.0
S13000	1 1/4"	1.2
S14000	1 1/2"	1.2
S15000	2"	1.2
S16000	2 1/2"	1.2
S17000	3"	1.5
S18000	4"	1.5
S1E000	5"	2.0
S19000	6"	2.0
S1A000	8"	2.5
S1B000	10"	3.0



## PIPE TO PIPE SLIDE CONNECTOR

AQUApipe	DN
S10099	1/2"
S11099	3/4"
S12099	1"
S13099	1 1/4"
S14099	1 1/2"
S15099	2"
S16099	2 1/2"
S17099	3"
S18099	4"



## PIPE TO PIPE CONNECTOR

AQUApipe	DN
S10002	1/2"
S11002	3/4"
S12002	1"
S13002	1 1/4"
S14002	1 1/2"
S15002	2"
S16002	2 1/2"
S17002	3"
S18002	4"
S1E002	5"
S19002	6"
S1A002	8"
S1B002	10"



Mfg in Steel for 10"

## 90° DEGREE ELBOW

AQUApipe	DN
S10003	1/2"
S11003	3/4"
S12003	1"
S13003	1 1/4"
S14003	1 1/2"
S15003	2"
S16003	2 1/2"
S17003	3"
S18003	4"
S1E003	5"
S19003	6"
S1A003	8"
S1B003	10"



\* Supplied with (2) Union Connectors.

## 45° DEGREE ELBOW

AQUApipe	DN
S10004	1/2"
S11004	3/4"
S12004	1"
S13004	1 1/4"
S14004	1 1/2"
S15004	2"
S16004	2 1/2"
S17004	3"
S18004	4"
S1E004	5"
S19004	6"
S1A004	8"
S1B004	10"



\* Supplied with (2) Union Connectors.

## EQUAL TEE

AQUApipe	DN
S10005	1/2"
S11005	3/4"
S12005	1"
S13005	1 1/4"
S14005	1 1/2"
S15005	2"
S16005	2 1/2"
S17005	3"
S18005	4"
S1E005	5"
S19005	6"
S1A005	8"
S1B005	10"



\* Supplied with (3) Union Connectors.

## REDUCING TEE

AQUApipe	DN	DN
S11007	3/4"	1/2"
S12007	1"	1/2"
S12107	1"	3/4"
S13007	1 1/4"	1/2"
S13107	1 1/4"	3/4"
S13207	1 1/4"	1"
S14007	1 1/2"	1/2"
S14107	1 1/2"	3/4"
S14207	1 1/2"	1"
S14307	1 1/2"	1 1/4"
S15007	2"	1/2"
S15107	2"	3/4"
S15207	2"	1"
S15307	2"	1 1/4"
S15407	2"	1 1/2"
S16007	2 1/2"	1/2"
S16107	2 1/2"	3/4"
S16207	2 1/2"	1"
S16307	2 1/2"	1 1/4"
S16407	2 1/2"	1 1/2"
S16507	2 1/2"	2"
S17007	3"	1/2"
S17107	3"	3/4"
S17207	3"	1"
S17307	3"	1 1/4"
S17407	3"	1 1/2"
S17507	3"	2"
S17607	3"	2 1/2"
S18107	4"	3/4"
S18207	4"	1"
S18307	4"	1 1/4"
S18407	4"	1 1/2"
S18507	4"	2"
S18607	4"	2 1/2"
S18707	4"	3"



### REDUCING TEE



AQUApipe	DN	DN
S1E607	5"	2 1/2"
S1E707	5"	3"
S1E807	5"	4"
S19607	6"	2 1/2"
S19707	6"	3"
S19807	6"	4"
S1A607	8"	2 1/2"
S1A707	8"	3"
S1A807	8"	4"
S1B607	10"	2 1/2"
S1B707	10"	3"
S1B807	10"	4"

\* Supplied with (2) Union Connectors.

S19E07	6"	5"
S1AE07	8"	5"
S1A907	8"	6"
S1BE07	10"	5"
S1B907	10"	6"
S1BA07	10"	8"

\* Supplied with (3) Union Connectors.

### REDUCING PIPE TO PIPE JOINT



AQUApipe	DN	DN
S1E621	5"	2 1/2"
S1E721	5"	3"
S1E821	5"	4"
S19621	6"	2 1/2"
S19721	6"	3"
S19821	6"	4"
S1A621	8"	2 1/2"
S1A721	8"	3"
S1A821	8"	4"
S1B621	10"	2 1/2"
S1B721	10"	3"
S1B821	10"	4"

\* A Union Connector is Supplied on 5" to 10" Connections.

### REDUCING PIPE TO PIPE JOINT



AQUApipe	DN	DN
S11021	3/4"	1/2"
S12021	1"	1/2"
S12121	1"	3/4"
S13021	1 1/4"	1/2"
S13121	1 1/4"	3/4"
S13221	1 1/4"	1"
S14021	1 1/2"	1/2"
S14121	1 1/2"	3/4"
S14221	1 1/2"	1"
S14321	1 1/2"	1 1/4"
S15021	2"	1/2"
S15121	2"	3/4"
S15221	2"	1"
S15321	2"	1 1/4"
S15421	2"	1 1/2"
S16021	2 1/2"	1/2"
S16121	2 1/2"	3/4"
S16221	2 1/2"	1"
S16321	2 1/2"	1 1/4"
S16421	2 1/2"	1 1/2"
S16521	2 1/2"	2"
S17121	3"	3/4"
S17221	3"	1"
S17321	3"	1 1/4"
S17421	3"	1 1/2"
S17521	3"	2"
S17621	3"	2 1/2"
S18221	4"	1"
S18321	4"	1 1/4"
S18421	4"	1 1/2"
S18521	4"	2"
S18621	4"	2 1/2"
S18721	4"	3"

S19E21	6"	5"
S1A921	8"	6"
S1B921	10"	6"
S1BA21	10"	8"

\* Supplied with (2) Union Connectors.

### END CAP



AQUApipe	DN
S10006	1/2"
S11006	3/4"
S12006	1"
S13006	1 1/4"
S14006	1 1/2"
S15006	2"
S16006	2 1/2"
S17006	3"
S18006	4"

S1E006	5"
S19006	6"
S1A006	8"
S1B006	10"

\* Supplied with (1) Union Connector.

### FEMALE NPT ADAPTER



AQUApipe	DN	DN
S10019	1/2"	1/2"
S10119	1/2"	3/4"
S11019	3/4"	1/2"
S11119	3/4"	3/4"
S11519	3/4"	1"
S12019	1"	1/2"
S12119	1"	3/4"
S12129	1"	1"
S12319	1"	1 1/4"
S13219	1 1/4"	1"
S13319	1 1/4"	1 1/4"
S13419	1 1/4"	1 1/2"
S14319	1 1/2"	1 1/4"
S14419	1 1/2"	1 1/2"
S15419	2"	1 1/2"
S15519	2"	2"
S16619	2 1/2"	2 1/2"
S17619	3"	2 1/2"

### FEMALE NPT SWIVEL ADAPTER



AQUApipe	DN	DN
S10018	1/2"	1/2"
S11118	3/4"	3/4"
S12218	1"	1"
S13318	1 1/4"	1 1/4"
S14418	1 1/2"	1 1/2"
S15518	2"	2"

### MALE NPT ADAPTER



AQUApipe	DN	DN
S10017	1/2"	1/2"
S10117	1/2"	3/4"
S11017	3/4"	1/2"
S11117	3/4"	3/4"
S11217	3/4"	1"
S12017	1"	1/2"
S12117	1"	3/4"
S12217	1"	1"
S12317	1"	1 1/4"
S13217	1 1/4"	1"
S13317	1 1/4"	1 1/4"
S13417	1 1/4"	1 1/2"
S14317	1 1/2"	1 1/4"
S14417	1 1/2"	1 1/2"
S15417	2"	1 1/2"
S15517	2"	2"
S16617	2 1/2"	2 1/2"
S17617	3"	2 1/2"

### MALE NPT 90 DEG. ELBOW



AQUApipe	DN	DN
S10015	1/2"	1/2"
S11015	3/4"	1/2"
S11115	3/4"	3/4"
S12115	1"	3/4"
S12215	1"	1"
S13215	1 1/4"	1"
S13315	1 1/4"	1 1/4"
S14315	1 1/2"	1 1/4"
S14415	1 1/2"	1 1/2"
S15415	2"	1 1/2"
S15515	2"	2"

**FEMALE SHORT NPT 90 DEG. ELBOW**



AQUApipe	DN	
S10014	1/2"	1/2"
S11014	3/4"	1/2"
S11114	3/4"	3/4"
S12114	1"	3/4"
S12214	1"	1"
S13214	1 1/4"	1"
S13314	1 1/4"	1 1/4"

**FEMALE NPT 90 DEG. ELBOW**



AQUApipe	DN	
S10013	1/2"	1/2"
S11013	3/4"	1/2"
S11113	3/4"	3/4"
S12113	1"	3/4"
S12213	1"	1"
S13213	1 1/4"	1"
S13313	1 1/4"	1 1/4"
S14413	1 1/2"	1 1/2"
S15513	2"	2"

**FEMALE NPT TEE**



AQUApipe	DN	
S10067	1/2"	1/2"
S11167	3/4"	3/4"
S12067	1"	1/2"
S12167	1"	3/4"
S12267	1"	1"
S13267	1 1/4"	1"
S13367	1 1/4"	1 1/4"

**MALE NPT TEE**



AQUApipe	DN	
S10065	1/2"	1/2"
S11065	3/4"	1/2"
S11165	3/4"	3/4"
S12065	1"	1/2"
S12165	1"	3/4"
S12265	1"	1"
S13065	1 1/4"	1/2"
S13165	1 1/4"	3/4"
S13265	1 1/4"	1"
S13365	1 1/4"	1 1/4"
S14065	1 1/2"	1/2"
S14165	1 1/2"	3/4"
S14265	1 1/2"	1"
S14365	1 1/2"	1 1/4"
S14465	1 1/2"	1 1/2"
S15065	2"	1/2"
S15165	2"	3/4"
S15265	2"	1"
S15365	2"	1 1/4"
S15465	2"	1 1/2"
S15565	2"	2"

**SWING CHECK VALVE**



AQUApipe	
S14480	1 1/2"
S15580	2"

\* NPT male threaded joints are needed for 1 1/2" and 2".

AQUApipe	Flange size
S16680	2 1/2"
S17780	3"
S18880	4"
S1EE80	5"
S19980	6"
S1AA80	8"
S1BB80	10"

\* ANSI flanges are needed for 2 1/2" to 10".

**FLANGE CONNECTIONS**



AQUApipe	Pipe size	Flange size
S13170	1 1/4"	1 1/4"
S14170	1 1/2"	1 1/2"
S15170	2"	2"
S16170	2 1/2"	2 1/2"
S17170	3"	3"
S18170	4"	4"
S16571	2"	2 1/2"
S16771	3"	2 1/2"
S17871	4"	3"
S1E871	4"	5"

\* Includes bolts and EPDM gasket.

**REDUCING FLANGE CONNECTIONS**



AQUApipe	Pipe size	Flange size
S1E170	5"	5"
S19170	6"	6"
S1A170	8"	8"
S1B170	10"	10"
S18E71	5"	4"
S1E971	6"	5"
S19E71	5"	6"
S1A971	6"	8"
S1BA71	8"	10"

\* Supplied with (1) Union Connector.  
\* Includes bolts and EPDM gasket.

**DOUBLE FEMALE NPT LOCKING BALL VALVE**



AQUApipe	
S10056	1/2"
S11156	3/4"
S12256	1"
S13356	1 1/4"
S14456	1 1/2"
S15556	2"

\* Valve body seal: PTFE.

**DOUBLE MALE NPT LOCKING BALL VALVE**



AQUApipe	
S10057	1/2"
S11157	3/4"
S12257	1"
S13357	1 1/4"
S14457	1 1/2"
S15557	2"

\* Valve body seal: PTFE.

**MALE X FEMALE NPT LOCKING BALL VALVE**



AQUApipe	
S10058	1/2"
S11158	3/4"
S12258	1"
S13358	1 1/4"
S14458	1 1/2"
S15558	2"

\* Valve body seal: PTFE.

**LOCKING BALL VALVE WITH PRESS FITTING ENDS**



AQUApipe	DN
S10052	1/2"
S11152	3/4"
S12252	1"
S13052	1 1/4"
S14052	1 1/2"
S15052	2"

\* Valve body seal: PTFE.



**LOCKING BALL VALVE WITH MALE (NPT) AND PRESS FITTING END**



AQUApipe	DN	
S10053	1/2"	1/2"
S11153	3/4"	3/4"
S12253	1"	1"
S13353	1 1/4"	1 1/4"
S14453	1 1/2"	1 1/2"
S15553	2"	2"

\* Valve body seal: PTFE.

**LOCKING BALL VALVE WITH FEMALE (NPT) AND PRESS FITTING END**



AQUApipe	DN	
S10054	1/2"	1/2"
S11154	3/4"	3/4"
S12254	1"	1"
S13354	1 1/4"	1 1/4"
S14454	1 1/2"	1 1/2"
S15554	2"	2"

\* Valve body seal: PTFE.

**LOCKING HANDLE BUTTERFLY VALVE**



AQUApipe	DN	
S10652	2 1/2"	
S17052	3"	
S18052	4"	

\* Valve body seal: EPDM.

\* Supplied with (2) Union Connectors.

\* Flanges are preassembled.

**LOCKABLE TURBINE HANDLE BUTTERFLY VALVE**



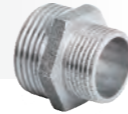
AQUApipe	DN	
S1E052	5"	
S19052	6"	
S1A052	8"	
S1B052	10"	

\* Valve body seal: EPDM.

\* Supplied with (2) Union Connectors.

\* Flanges are preassembled.

**THREADED PIPE ADAPTERS (NPT)**



AQUApipe		
<b>MALE x MALE</b>		
S10031	1/2"	1/2"
S11131	3/4"	3/4"
S12231	1"	1"
S13331	1 1/4"	1 1/4"
S14431	1 1/2"	1 1/2"
S15531	2"	2"
S18350	1/2"	1/4"
S11031	3/4"	1/2"
S18150	1"	3/4"

AQUApipe	MALE	FEMALE
S18750	3/4"	1"
S18050	1"	1/2"

**FLEXIBLE METAL HOSE**



AQUApipe	DN	Length (in)
S10055	1/2"	11.81
S11155	3/4"	11.81
S12255	1"	11.81
S13055	1 1/4"	11.81
S14055	1 1/2"	11.81
S15055	2"	11.81
S16055	2 1/2"	19.69
S17055	3"	19.69
S18055	4"	19.69

AQUApipe	DN	Length (in)
S1E055	5"	19.69
S19055	6"	19.69
S1A055	8"	19.69
S1B055	10"	19.69

\* Supplied with (2) Union Connectors.

**THREADED FLANGE FEMALE**



AQUApipe	Flange size	
S14470	1 1/2"	1 1/2"
S15570	2"	2"
S17270	3"	1"
S17470	3"	1 1/2"
S17570	3"	2"
S14870	4"	1 1/2"
S15870	4"	2"
S16870	4"	2 1/2"
S14E70	5"	1 1/2"
S15E70	5"	2"
S16E70	5"	2 1/2"
S17E70	5"	3"
S19470	6"	1 1/2"
S19570	6"	2"
S19670	6"	2 1/2"
S19770	6"	3"

\* Includes bolts and EPDM gasket.

**PIPE CLIP**



AQUApipe	DN	
S16122	2 1/2"	
S17122	3"	
S18122	4"	
S1E122	5"	
S19122	6"	
S1A122	8"	
S1B122	10"	

**STAINLESS STEEL EXACT SAW**



AQUApipe		
S10140		1" to 8"

\* Comes with a stainless steel cutting blade and pipe rollers.

**STAINLESS STEEL PIPE CUTTER**



AQUApipe		
S10040		1/2" to 2"

**ID DEBURR TOOL**



AQUApipe		
0141		For all diameters

**DEMO KIT**






AQUApipe		
S10146		

# Technical Specifications



- The Max. Working Pressure for 6" and below is 200psi; The Max. Working Pressure for 8" is 188psi;
- Max. vacuum: 1mbar/ 0.03inhg (Full industrial vacuum).
- Working temperature range & fluid medium table:

Sealing	Description	Color	Working Temperature	Main Applicable Medium
EPDM (NSF-61&372)	Ethylene Propylene Diene Monomer		-20°C to 120°C -4°F to 248°F	Chilled/Cooling Water; Waste Waters; Hydronic Heating; Low Pressure Steam; Fire Water System; Potable Water.
FKM/FPM	Viton Fluoroelastomer		-20°C to 200°C -4°F to 392°F	High Temp. Steam & Gas, Solar, Heating, Compressed Air, Acid Solutions, Chemicals, Inert Gases.
NBR	Nitrile Butadiene Rubber		-20°C to 100°C -4°F to 212°F	Hydraulic Oils, Inert Gases, Compressed Air, Lubricants.

## Main Applications

AQUApipe is designed to convey fluids and gases used in a variety of applications including:

- Chilled/Cooling Water
- Process Water
- Compressed Air and Inert Gases
- Chemicals
- Acid Solutions
- Caustic Solutions
- Hot Water, potable water
- Low-Pressure Steam (15 psi max)
- Vacuum
- Hydraulic Oils
- Waste Waters
- DEF



# Quick & Easy Installation Press Tools



AQUApipe	Description	Range
S1HD44	Heavy duty press gun for ½" to 4" connections (5 ton of force). Press jaws not included.	½" - 4"

AQUApipe	Description	Range
S1E044	Lug jaws for 5"	5"
S1A044	Lug jaws for 6"	6"

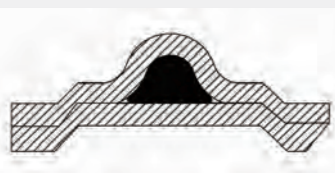
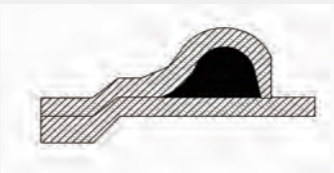

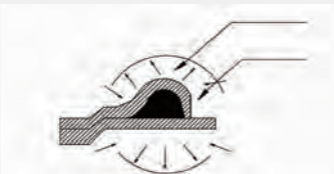

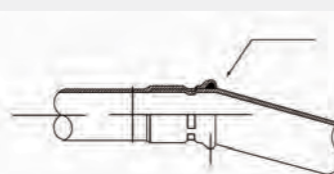
AQUApipe	Description	Range
S1SK44	Small diameter press jaw kit (Includes jaws and master head for ½" to 2"). Use with the heavy duty press gun.	½" - 2"

AQUApipe	Description	Range
S1LK44	Large diameter press jaw kit (Includes jaws, master head and cylinder for 2 ½" to 4"). Use with the heavy duty press gun.	2 ½" - 4"

AQUApipe	Description	Range
S1C284	Hydraulic cylinder used with the portable electric pump (PN S1L284)	½" - 4"

AQUApipe	Description	Range
S1L284	Portable hydraulic press machine for 2 ½" to 4" connections. Cylinder and press jaws not included.	2 ½" - 4"

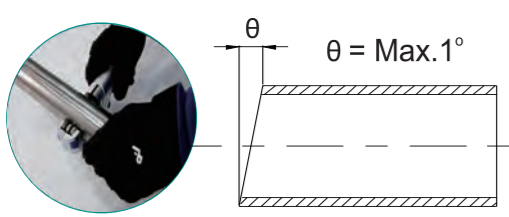
## AQUApipe Press Connection VS Traditional Press Connection

<p><b>AQUApipe Press Connection</b></p>  <p>All AQUApipe fittings are designed with extended fitting ends to keep the pipe aligned straight out of the fitting.</p>	<p><b>VS</b></p>	<p><b>Traditional Press Connection</b></p>  <p>Misalignment can result in premature seal aging.</p>
 <p>AQUApipe fittings keep uniform pressure distribution to eliminate seal extrusion.</p>	<p><b>VS</b></p>	 <p>Fitting side weakness can lead to seal extrusion.</p>
 <p>AQUApipe fittings create a permanent connection without risk of leaking after bending/expansion/contraction/vibration.</p>	<p><b>VS</b></p>	 <p>There is a risk of leaking from bending/expansion/contraction/vibration.</p>

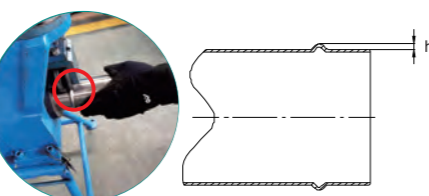
Identify pressed fittings with our plastic wraps (1/2" to 10")



### Pipe cuts for 1/2" to 10"



### Lug Height for 5" to 10"



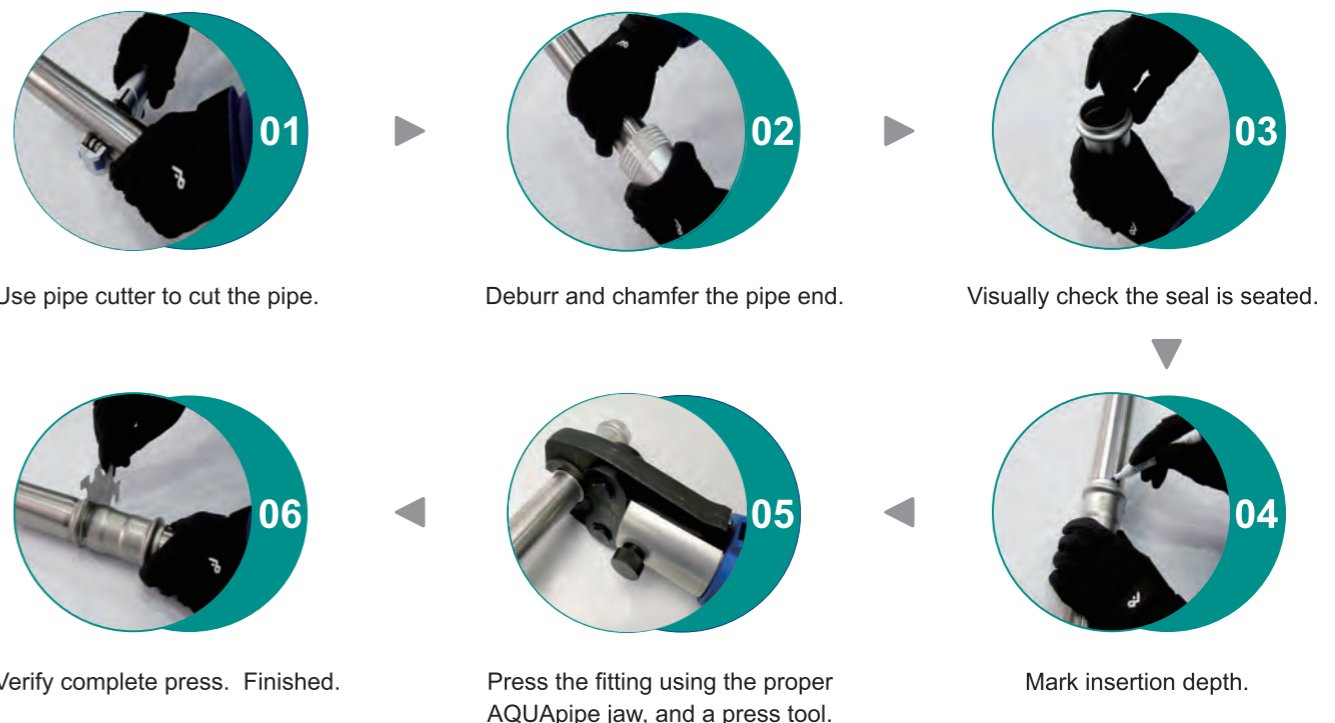
Size	h (mm)
DN125	3.8~4.0
DN150	3.8~4.0
DN200	3.8~4.0
DN250	3.8~4.0

**Torque ratings for 5" to 10"**  
(The clamshell halves must be flushed together to complete assembly.)



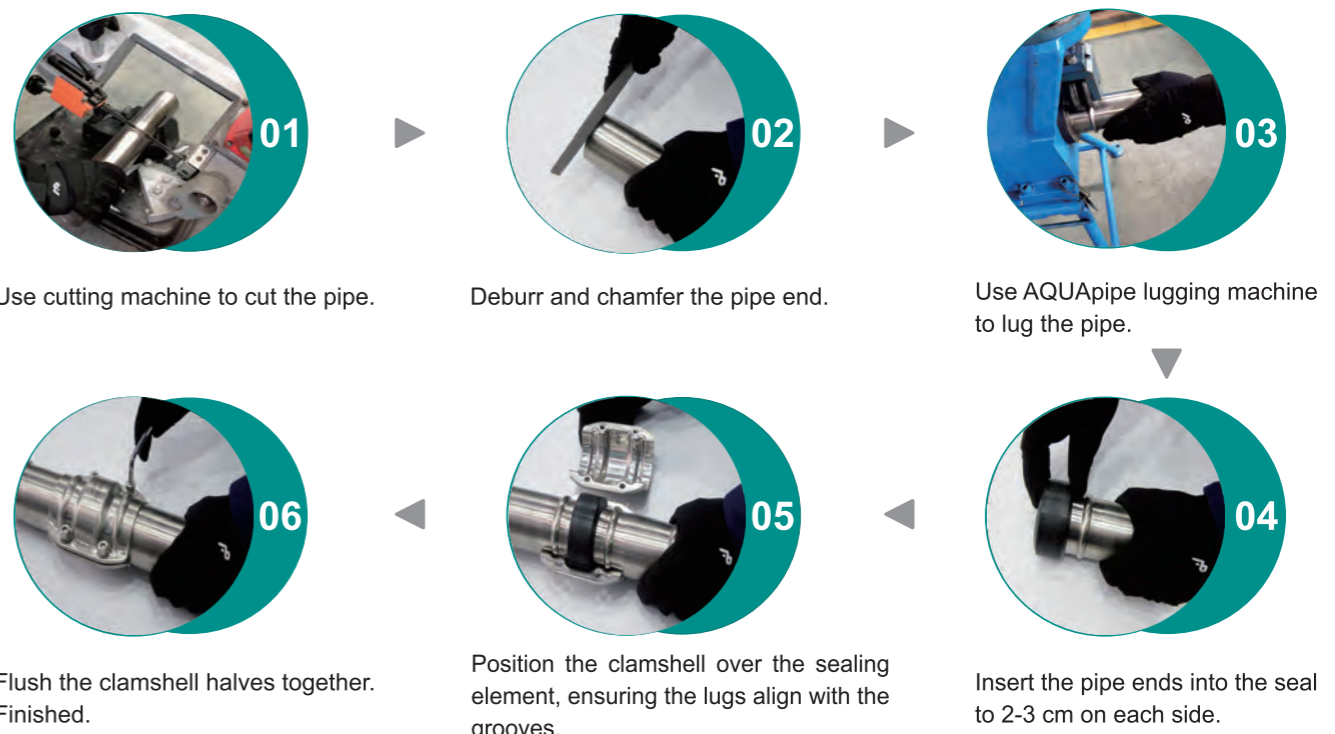
Size	Bolt	Max. Torque	Allen Key
DN125	M8	32	6mm
DN150	M10	65	8mm
DN200	M10	65	8mm
DN250	M12	118	10mm

## 1/2" to 4" Press Connection



- 01 Use pipe cutter to cut the pipe.
- 02 Deburr and chamfer the pipe end.
- 03 Visually check the seal is seated.
- 04 Mark insertion depth.
- 05 Press the fitting using the proper AQUApipe jaw, and a press tool.
- 06 Verify complete press. Finished.

## 5" to 10" Clamshell Connection



- 01 Use cutting machine to cut the pipe.
- 02 Deburr and chamfer the pipe end.
- 03 Use AQUApipe lugging machine to lug the pipe.
- 04 Insert the pipe ends into the seal to 2-3 cm on each side.
- 05 Position the clamshell over the sealing element, ensuring the lugs align with the grooves.
- 06 Flush the clamshell halves together. Finished.

# Applications

## Industrial Installations



● Compressed Air for Foods.



● Cooling water for new Material.



● Oil and Cooling water for Machinery.



● Cooling water for Auto Parts.

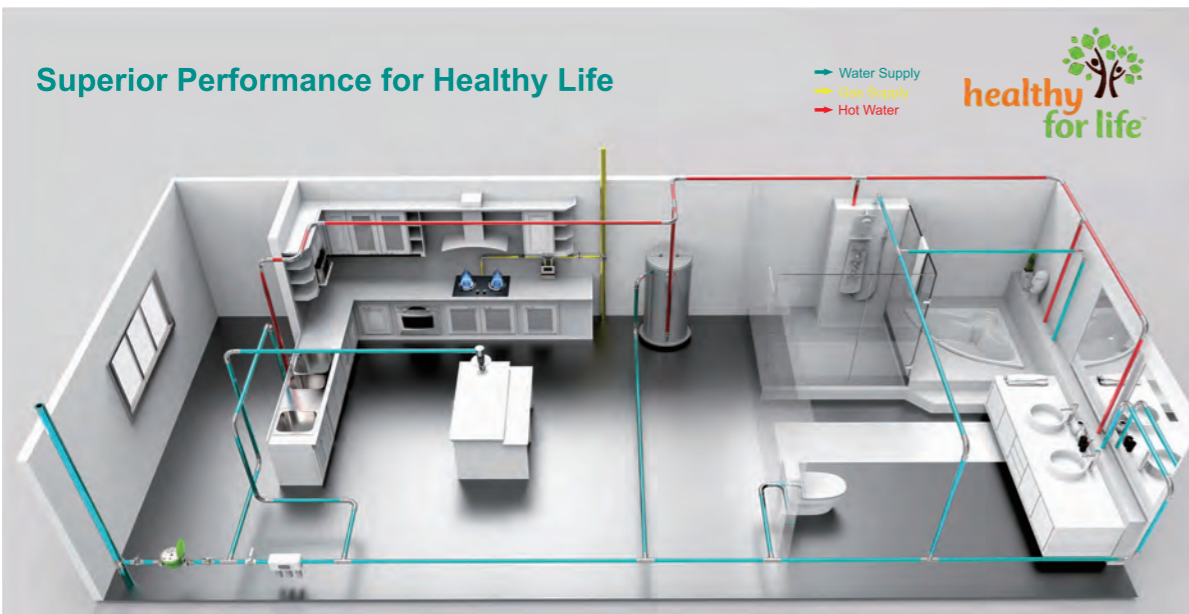


● Die Coolant for Packaging (DN250).



● Compressed Air, Nitrogen, Natural Gas, Oxygen, Argon, Cooling Water for LED.

## Civil Building Installations



Superior Performance for Healthy Life

→ Water Supply  
→ Gas Supply  
→ Hot Water



# One-stop Service

AQUApipe provides **“One-stop Service”** worldwide. Our global network means you're never far from support for your project.



## Warranty and Certifications

**10** Year Warranty:



The AIRpipe Group warranties AQUApipe products to be free of defects in material for a period of ten years from the date of product purchase.

AQUApipe does not warrant the design, assembly or installation of the system, but only the components with an official AQUApipe logo. AQUApipe is not responsible for improper assembly, installation, or for any modifications of the product.

**The warranty is void upon:**

1. Failure to follow assembly or installation guidelines;
2. Alteration, misuse or abuse of, or damage to the products;
3. Operation beyond the design range, excessive pressure, stress, or mishandling in any way;
4. Use other than for the intended purpose or in a manner other than specified by AIRpipe.

## Certifications and Compliances:

ISO 9001 version 2015  
 ISO 14001 version 2015  
 ISO 45001 version 2018  
 ASME, UL, TUV, CE, EN and TS

