



AQUINOX INDIA
Quality ensures endurance

PRODUCT GUIDE

AQUINOX INDIA

NEW SESSION 2024



AQUINOX INDIA

ABOUT COMPANY

Aquinox India is a pioneer and established integrated, leading manufacturer of Stainless Steel for the last 11 years located at Hisar (Haryana) India, with marketing offices in Gurgaon. Situated in the hub of the 'Stainless Steel City' Hisar (Haryana) provides an added advantage of abundant raw material supply.



Piping Perfection:
Where Water Flows with Ease.

Flowing Solutions for a Liquid World.



AQUINOX INDIA **COMPANY INTRODUCTION**

As pioneer in fluids transportation and distribution, Aquinox india is dedicated to continuous improvement of our stainless steel piping system. With self-owned manufacturing facilities, well organized supply chain management and global network, Aquinox india delivers not only products with premium quality and competitive prices, but also values to worldwide customers. Aquinox India respect basic but most important business ethics, human rights and emolities.

Our push-in and press connections and pre-grooved connectors and pipes ensure to reduce your labor cost to minimum level. With superior 304/316L Stainless Steel Material, we could meet different customers critical requirements for diverse fields.

Through its reliable zero-leak design and durable corrosion-free pipe system, Aquinox India consistently provides clean and quality fluids transportation and distribution, ensuring energy/labor saving and optimization of your piping system and production efficiency. Aquinox India delivers solutions of piping systems and values to global customers and projects.

TECHNICAL PARAMETERS

INTRODUCTION



- Material
- Nominal Pressures
- Working Temperature
- Applicable fluids
- SS304 or SS316L
- 16Bar/232ps
- i- 20 °C to +80 °C
- Compressed Air, Water, Cooling/chilled Water, Solar Water, Fuel & Oil, Gases Etc.




APPLICATIONS

Industrial compressed air, water supply, hospital, school, hotel, electronics, food & beverage, medical treatment & pharmaceutical factory, fire fighting piping system.



SEALING TECHNOLOGIES

Aquinox india embedded sealing rings, with superior reliability and longevity, different options for com-pressed air, water, vacuum, nitrogen and other inert gases, saturated steam, fuel & oil, heating pump, cooling & chilled water, solar water, fire water system etc.

Sealing Code	Description	Color	Working Temperature
EPDM Ethylene Propylene Diene Mnomer		-20 °C To 120 °C -4°F To 248°F	Cooling/chilled Water; Low Pressure Steam; Compressed Air; Fire Water System; Hydronic Heating; Waste Water.
NBR Nitrile Butadiene Rubber		-20 °C to 100 °C- 4°F to 212°F	Hydraulic Oil, Inert Gases, Compressed Air, Lubricants.
FKM 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.

Piping Perfection: Where Water Flows with Ease.



ADVANTAGES OVERVIEW

SUPERIOR MATERIAL AND PERFORMANCE, RELIABILITY, LONGEVITY

1. International recognized Standard Stainless Steel materials 304/316L, safe, corrosion free, maintenance free, with stability and longevity
2. Embedded and active filling in sealing ring with different materials options for diverse fluids, with leak free performance and stability
3. NSF and FDA approved sealing materials to guarantee public health and safety
4. Push-in and press fittings ranges from DN15-DN100, install a connection within 10seconds with a portable tool;
5. Selected professional and easy tools.

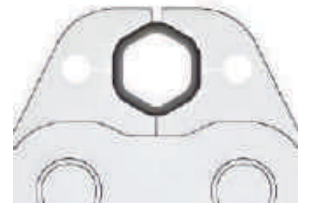
*For different standards sizes and industrial systems, please contact a Aquinox India engineer for suggestions and assistance.

COST SAVING

- ✦ Few seconds to finish a press fitting, save time and labor cost;
- ✦ Two screws to fix and install a grooved clamp connector, fast and saving
- ✦ Pre-grooved pipes at two ends, reducing your labor cost and operation time to minimum level;
- ✦ Original manufacturer guarantees stable and competitive prices;

2025 BUSINESS TARGETING

CONTRACTOR



Aquinox makes contractors much more capable with our exclusive range of stainless-steel double and press with push fit fittings, you can plan potable installations.

DISTRIBUTOR

Our breadth of quality products together with competitive pricing means real value to our Partners. This has been the basis of long years of solid partnership with our customers.

ENGINEER

We at Aquinox give full stress to the detailing of our products because we believe this is the only way through which we can achieve efficiency.

BEST QUALITY

Aquinox India provides one of the best steel products in India. We use premium quality of Material in Manufacturing process to make it durable and strong.

FAST DELIVERY

Easy & fast install & long service life, We provide the Fast delivery facilities to complete the order within the promised time.





Plumbing Solution

An Integrated Plumbing Solution provider in stainless steel with comprehensive pipe and fittings solution in Grade JIS304 & 316 and EN 316L, guaranteeing quality product with easy installation.

Wide Range In Plumbing To Suits All Need

Comprehensive range of stainless steel plumbing solutions together with pipes, fittings and tools, taking care of all plumbing requirements.

- **Pipe Size :** From 15 MM to 108 MM diameter
- **Material :** Austenitic Stainless Steel with a composition of X2CrNiCo17-8 and X2CrNiMo17-12-2 .
- **Special Manufacturing:** Electric Resistance Welding (ERW) process of Manufacturing.
- **Quality Insured:** 304 & 316 grade of SS Manufactured according in JIS 3448 and EN 10312 Standard.
- **Fittings:** Available in all size from 15MM to 108MM diameter.
- **Surface Finish:** Matt Silver
- **Approval:** JIS 3448/DVGW
- **Tolerances:** In According to JWWA G116/ EN 10312
- **Corrosion:** The Tube & Fittings also react in a safe and problem free manner as regards a water chlorine content if 1.24 mg/l is added for disinfection purpose. Point and crack corrosion can only occur if the maximum values for the water chloride content as defined in the applicable regulation are significantly exceeded

MATERIAL USED:

Product	Grade	Standard/Type	Recommended For	Application Recommended
Pipe Fittings	304	JIS 3448/V profile	0-100 ppm of chloride	Portable water, drinking water, Cold and hot Water (80° c).
Pipe Fittings	316L	JIS & EN 10312/V profile	100-1000 ppm of chloride	Portable water, drinking water, gas, cold & hot water, costal area

PIPE DIMENSION:

NB (MM)	15.88	22.22	28.58	34.0	42.7	48.6	76.3	88.1	114.3
SS 304 & 316L JIS STANDARD	0.8	1.0	1.0	1.2	1.2	1.2	1.5	2.0	2.0
NB (MM)	15	22	28	35	42	54	76.1	88.9	108
SS 316L EN STANDARD	1.0	1.2	1.2	1.5	1.5	1.5	2.0	2.0	2.0



PIPES



Size

DN20
DN15
DN32
DN40
DN50
DN65
DN80
DN100

END CAP



Size

DN20
DN15
DN25
DN32
DN40
DN50
DN65
DN80
DN100

SOCKET



Size

DN20
DN32
DN40
DN50
DN65
DN80
DN100

A-90°ELBOW



Size

DN20
DN25
DN32
DN40
DN50
DN65
DN80
DN100

A-45°ELBOW



Size

DN20
DN15
DN25
DN32
DN40
DN50
DN65
DN80
DN100

B-45°ELBOW



Size

DN15
DN32
DN40
DN50
DN65
DN80
DN100

THREADED PIPE ADAPTERS



Size

DN15-1/2"

DN25-1"

DN32-1 1/4"

DN40-1 1/2"

DN50-2"

FEMALE SWIVEL ADAPTER



Size

DN15×1/2"

DN20×1/2"

DN20×3/4"

DN25×1"

DN32×1 1/4"

DN50×2"

CONNECTOR



Size

DN15

DN25

DN32

DN40

DN50

DN65

DN80

DN100

ADJUSTABLE CONNECTOR



Size

DN15

DN25

DN32

DN40

DN65

DN80

DN100

EQUAL TEE



Size

DN20

DN15

DN25

DN32

DN40

DN50

DN65

DN80

DN100

FLANGE



Size

DN15

DN25

DN32

DN40

DN50

DN65

DN80

DN100

SLEEVE COUPLING



Size

- DN25×15
- DN20×15
- DN25×20
- DN32×15
- DN32×20
- DN32×25

MALE ELBOW 90°



Size

- DN15×1/2"
- DN20×1/2"
- DN20×3/4"
- DN25×1/2"
- DN25×3/4"
- DN25×1"
- DN32×1"
- DN32×1 1/4"
- DN40×1 1/4"
- DN40×1 1/2"
- DN50×1 1/2"
- DN50×2"

CROSSOVER



Size

- DN20
- DN15
- DN25

REDUCING CONNECTOR



Size

- DN20×15
- DN25×15
- DN25×20
- DN32×15
- DN32×20
- DN32×25
- DN40×15
- DN40×20
- DN40×25
- DN40×32
- DN50×15
- DN50×20
- DN50×25
- DN50×32
- DN50×40
- DN65×2
- DN65×25
- DN65×32
- DN65×40
- DN65×50
- DN80×20
- DN80×25
- DN80×32
- DN80×40
- DN80×50
- DN80×65
- DN100×20
- DN100×25
- DN100×32
- DN100×40
- DN100×50
- DN100×65
- DN100×80



FLANGE



Size

- DN20×15
- DN25×15
- DN25×20
- DN32×20
- DN32×25
- DN40×15
- DN40×20
- DN40×25
- DN40×32
- DN50×15
- DN50×20
- DN50×25
- DN50×32
- DN50×40
- DN65×20
- DN80×20
- DN80×25
- DN80×32
- DN80×40
- DN80×50
- DN80×65
- DN80×50
- DN100×20
- DN100×25
- DN100×32
- DN100×40
- DN100×50
- DN100×65
- DN100×80

FEMALE ADAPTER



Size

- DN20×1/2"
- DN15×1/2"
- DN20×3/4"
- DN25×1/2"
- DN25×3/4"
- DN25×1"
- DN32×1 1/4"
- DN40×1 1/4"
- DN40×1 1/2"
- DN50×2"
- DN65×2 1/2"
- DN80×3"
- DN100×4"

FEMALE SHORT 90° ELBOW



Size

- DN20×1/2"
- DN15×1/2"
- DN20×3/4"

MALE ADAPTER



Size

- DN20×1/2"
- DN15×1/2"
- DN20×3/4"
- DN25×1/2"
- DN25×3/4"
- DN32×1 1/4"
- DN32×1"
- DN40×1 1/4"
- DN40×1 1/2"
- DN50×1 1/2"
- DN50×2"
- DN65×2 1/2"
- DN80×3"
- DN100×4"
- DN25×1"

FEMALE TEE



Size

- DN15×1/2"
- DN20×1/2"
- DN20×3/4"
- DN25×1"
- DN32×1/2"
- DN32×3/4"
- DN32×1"
- DN32×1 1/4"
- DN40×1/2"
- DN40×3/4"
- DN40×1"
- DN40×1 1/4"
- DN40×1 1/2"
- DN50×1/2"
- DN50×3/4"
- DN50×1"
- DN50×1 1/4"
- DN50×1 1/2"
- DN50×2"
- DN80×2"
- DN65×2"
- DN100×2"

MALE TEE



Size

- DN20×1/2"
- DN15×1/2"
- DN20×3/4"
- DN25×1/2"
- DN25×3/4"
- DN25×1"
- DN32×1/2"
- DN32×3/4"
- DN32×1"
- DN32×1 1/4"
- DN40×1/2"
- DN40×3/4"
- DN40×1"
- DN40×1 1/4"
- DN40×1 1/2"
- DN50×1/2"
- DN50×3/4"
- DN50×1"
- DN50×1 1/4"
- DN50×1 1/2"
- DN50×2"

"Flowing Solutions for a Liquid World."

BENEFITS OF OUR STAINLESS STEEL PIPE SYSTEM



FIRST-CLASS AND PROVEN FOR DRINKING WATER INSTALLATIONS

Our expertise in installation technology was demonstrated from the very first time our proven stainless steel pipe system for drinking water pipework was used. All of our stainless steel pipe systems have perfectly reliable coupling technology. Pipes, fittings, and pressing technology from one single source. You can rely on our stainless steel pipe system – and that's a promise.

WE DELIVER SOLUTIONS OF PIPING-SYSTEMS AND VALUES..



WORLD OF BENEFITS

"Refreshing The World, One Drop At A Time."



**SEAMLESS CONNECTION
OF PIPES TO FITTINGS**



HEALTH AND HYGIENE



LONGEVITY



CORROSION RESISTANT



LIGHT WEIGHT



LEAK-PROOF



EASY TO INSTALL



RECYCLABLE



NO MAINTENANCE



SAFE

EXTENSIVE RELEVANCE WITH SUPREME QUALITY



FIT FOR DRINKING WATER
FIT FOR DRINKING WATER



SUITABLE FOR FIRE PROTECTION
SUITABLE FOR FIREFIGHTING &
SPRINKLER SYSTEMS WITH PRESSURE
UP TO PN 12



APT FOR HEATING/ COOLING
WITH STANDS TEMPERATURE FROM -20 C TO 110 C



THE PRESS-FIT SYSTEM IS
SAFE & HYGIENIC
OUR PRESS-FIT SYSTEM IS SAFE AND
BENEFICIAL IN ALL APPLICATIONS
FOR DRINKING WATER



SUITABLE FOR COMPRESSED AIR/GASES
WORKING PRESSURE 16 BARS &
TESTED UP TO 25 BARS

WELLPRESS

NOVO PRESS TOOL KIT



A set of measuring gauges and pressing jaws enables pressing of any size fittings.

PRESS TOOLS

Our electro-mechanical pressing tool consists of an electrotechnical unit and a set of 5 jaws. While there is a choice of making the pipe connections in different size ranges, we extend it to a range of 3 electro-mechanical press tools:

1. Mains operated electro-mechanical pressing units
2. Self-monitoring sensor system
3. Manual pressing unit

COMPETENT TOOLS FOR EFFICIENT PERFORMANCE

The tools are designed for effortless handling and installation of the system, even in the most challenging environments.

CUTTING TOOL

Irrespective of the site complications, our tools are designed for effortless handling and installations. Our mechanical cutting tool comes in 3 sizes (15-40 mm, 15-64 mm and 15-108 mm), with a long-lasting changeable cutting blade. The tool is just fitted on the pipe at the required length and rotated.



EASY INSTALLATION PROCESS

A set of pressing jaws for the pipe size is fitted into the pressing unit. The automatic action of all pressing units always ensures the required maximum force is applied on the jaws or collars reliably.

INSTALLATION

1. Tube is cut to the required length using the mechanical cutting tool.
2. Tube is pushed in the stainless-steel press fittings until the tube stops.
3. Jaws of the electro-mechanical press tool are then fitted on the press-fitting where a single button operates the press tool and the joint is crimped.
4. The crimped joint is checked using the gauge.



STEP 1



STEP 2



STEP 3



STEP 4



CLIENTS



Jharkhand State Building
Construction Corporation Limited
(Govt. of Jharkhand Undertaking)



thyssenkrupp



TESLA





AQUINOX INDIA

Quality ensures endurance

Get In Touch

Aquinox India

Address: B 129, ARDEE CITY, SECTOR 52, GURGAON - 122002 HARYANA, INDIA

Phone No. : +91 8130592222/ +91 99999 74695 | info@aquinoxindia.com

Factory Address: PLOT NO. 25/26, INDUSTRIAL AREA SECTOR 25-26 HISSAR (HARYANA) 125001, INDIA

website: aquinoxindia.com