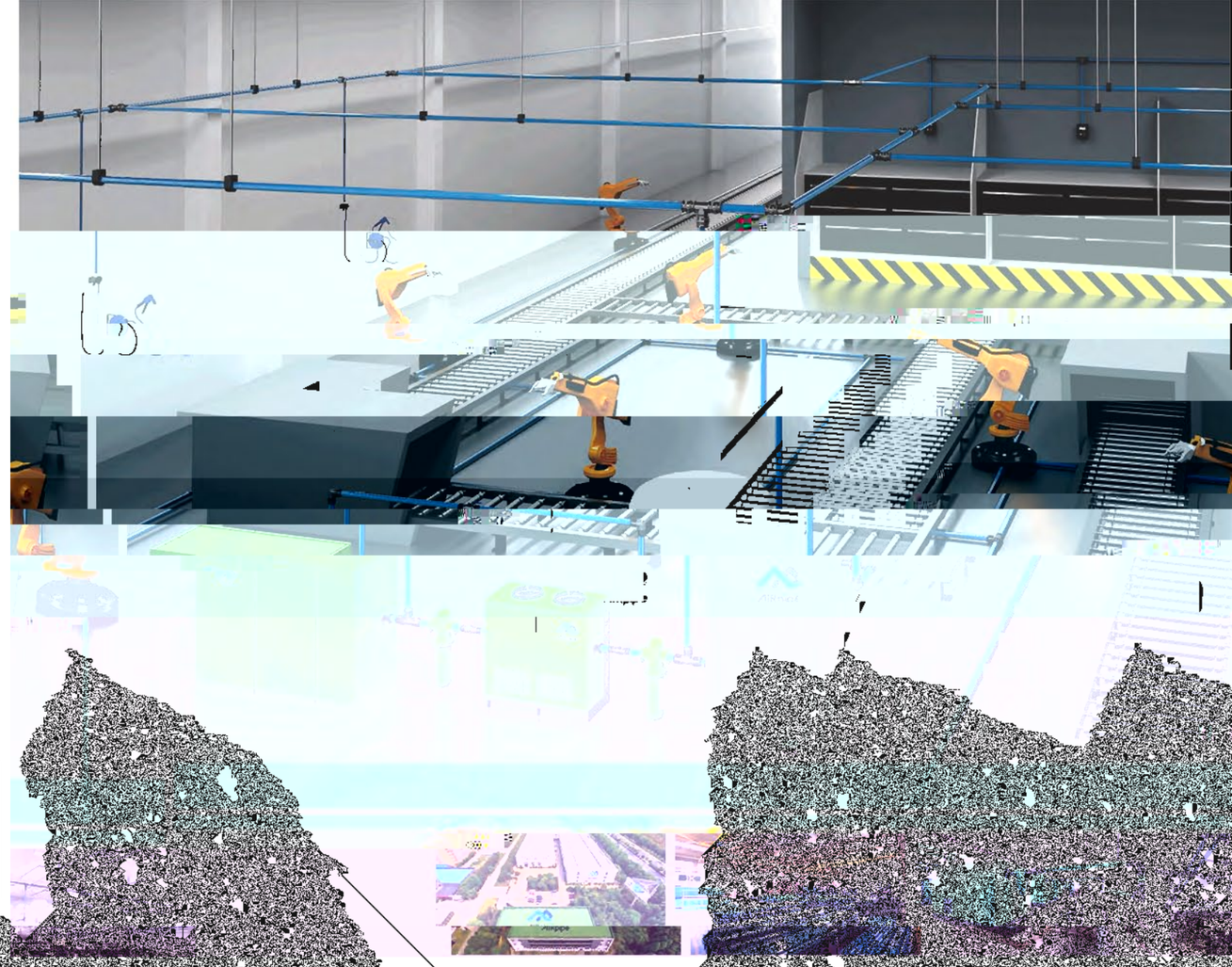
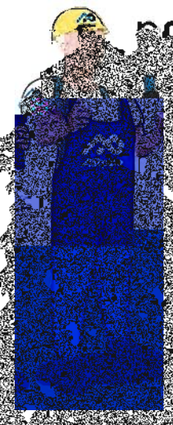
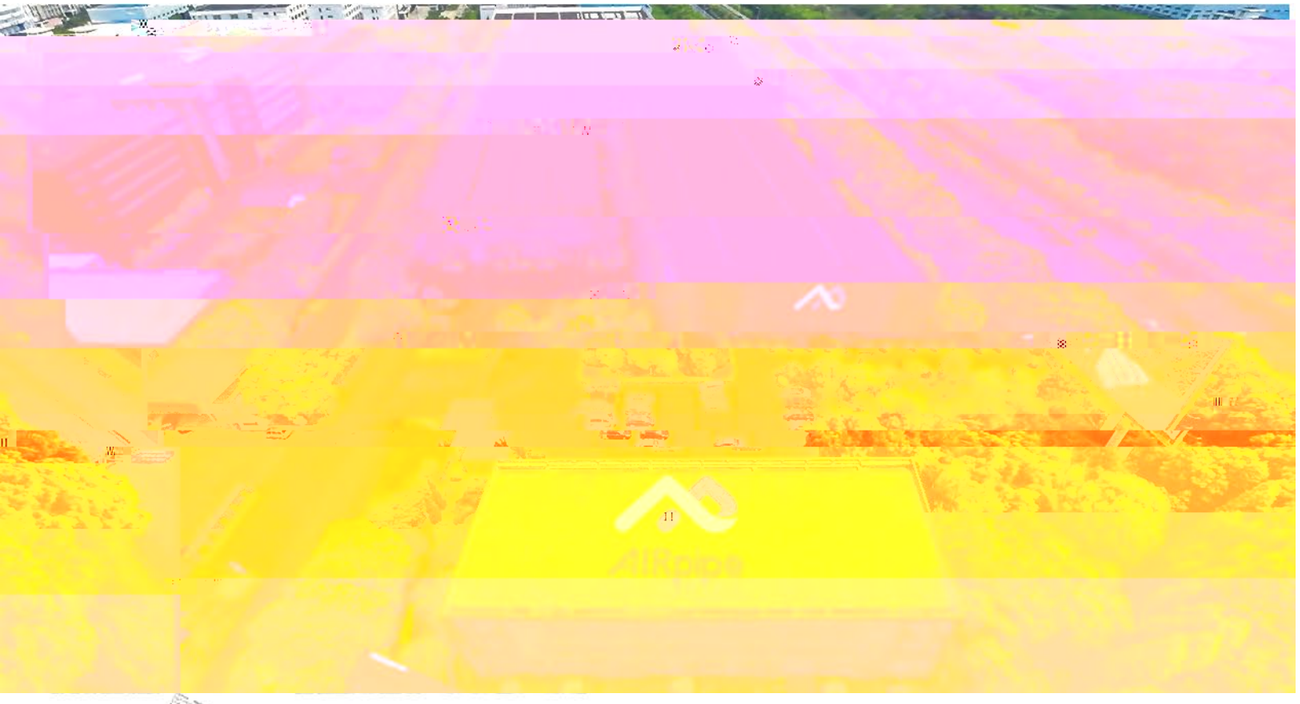
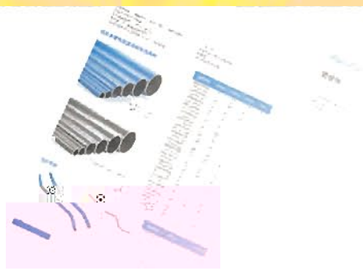


We provide superior



ENGINEERED FOR SUPERIOR PERFORMANCE



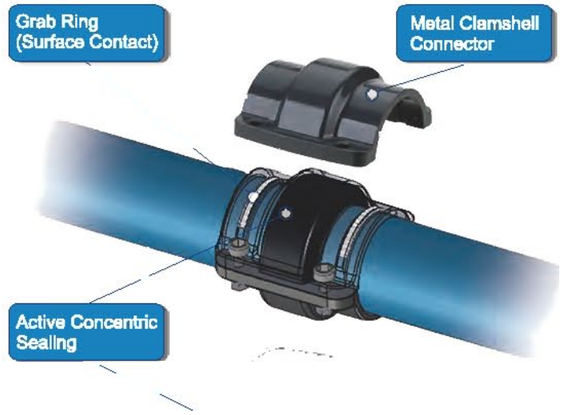


Superior Reliability & Longevity

-
- M
-
- R

Energy & Cost Savings

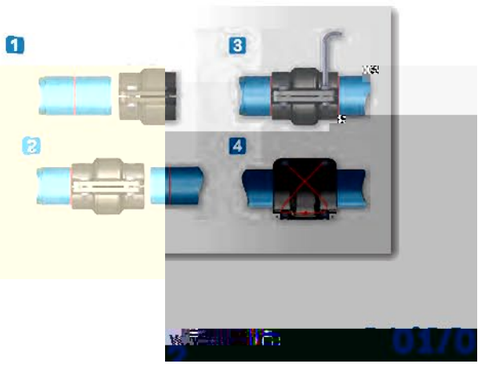
-
- C



Quick & Easy Modular Installation

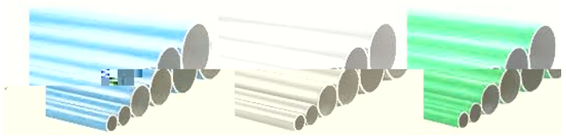
- C
-
- R
- C

Dual Performance
- Surface contact and active sealing
- Working Pressure up to 16bar
- 20 year life



Product Range & Features

Rigid Aluminum Pipe

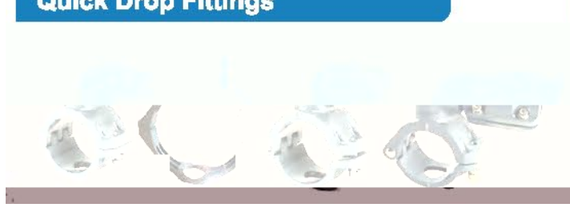


Ball & Butterfly Valves

Pipe Connectors

Flexible Hoses

Quick Drop Fittings



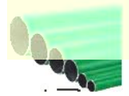
Tools & Accessories

Engineered for Superior Performance

BLUE ALUMINUM PIPE

GRAY ALUMINUM PIPE

GREEN ALUMINUM PIPE

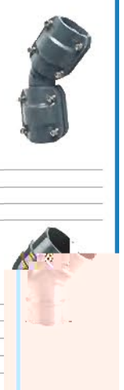


END CAP

EQUAL 90° ELBOW

REDUCING TEE

EQUAL 45° ELBOW



LATERAL REDUCING TEE

LATERAL EQUAL TEE

ALUMINUM JOINT

Engineered for Superior Performance

ALUMINUM JOINT MALE THREAD

QUICK DROP

QUICK DROP

ALUMINUM ELBOW MALE

ALUMINUM ELBOW

QUICK DROP FEMALE THREAD

QUICK CONNECT VALVE MALE THREAD

QUICK CONNECT BALL VALVE

VALVED WALL BRACKET FEMALE THREAD

BRASS BALL VALVE

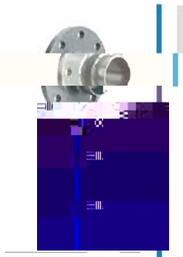
NON-VALVED WALL BRACKETS

SWING CHECK VALVE

BUTTERFLY VALVE

ALUMINUM DIE CASTING FLANGE

FLANGE



FLANGE(CAST IRON) FEMALE THREAD

FLANGE(STAINLESS STEEL) FEMALE THREAD

FLEXIBLE HOSES

PNEUMATIC CONNECTOR MALE

WATER DRAIN VALVE

Engineered for Superior Performance

FIXTURE CLAMPS & ACCESSORIES

THREADED ADAPTORS

CLAMP SPA[illegible]DER

VORTEX FL[illegible]OW METER

PRESSURE METER

ATMOLYSIS BAG

SAMPLE BOX

TOOL BOX

DRILL (TAPPER)

DRILL HOLDER

MARKER

HOLE DEBURRER

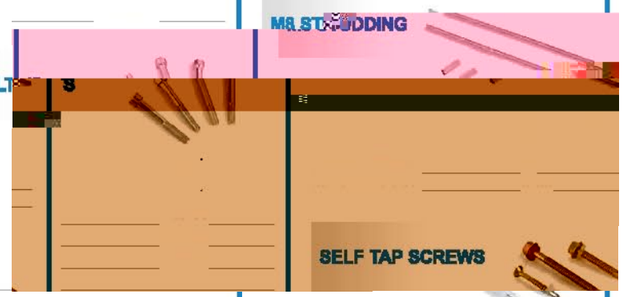
ALUMINUM PIPE DEBURRER

SPANNERS

ALUMINUM PIPE CUTTER

ELECTRIC PIPE CUTTER

FIXING BOLT



SQUARE STEEL

ADJUSTABLE BRACKET

GRIDER CLAMP

SQUARE STEEL CLAMP

PIPE BENDING TOOL

WALL MOUNTED BRACKET

UNIVERSAL BEAM SUSPENDER

FIXTURE CLAMPS & ACCESSORIES

WIRE SUSPENSION CABLE

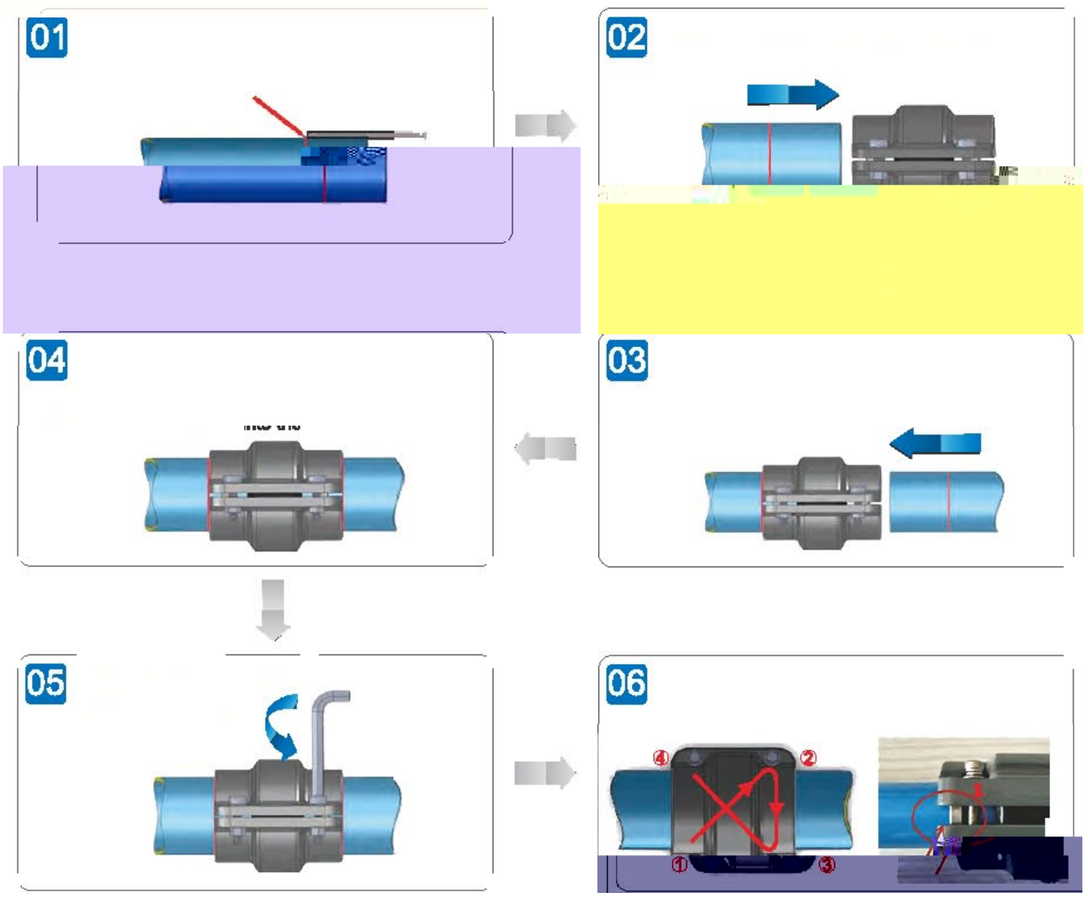
LUGGING MACHINE

Superior Reliability!

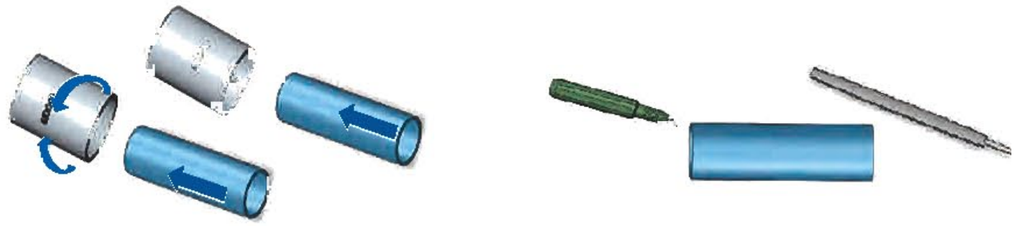
Insertion Depth S For DN20~DN50 Connector

DN	Insertion depth S (mm)
50	39

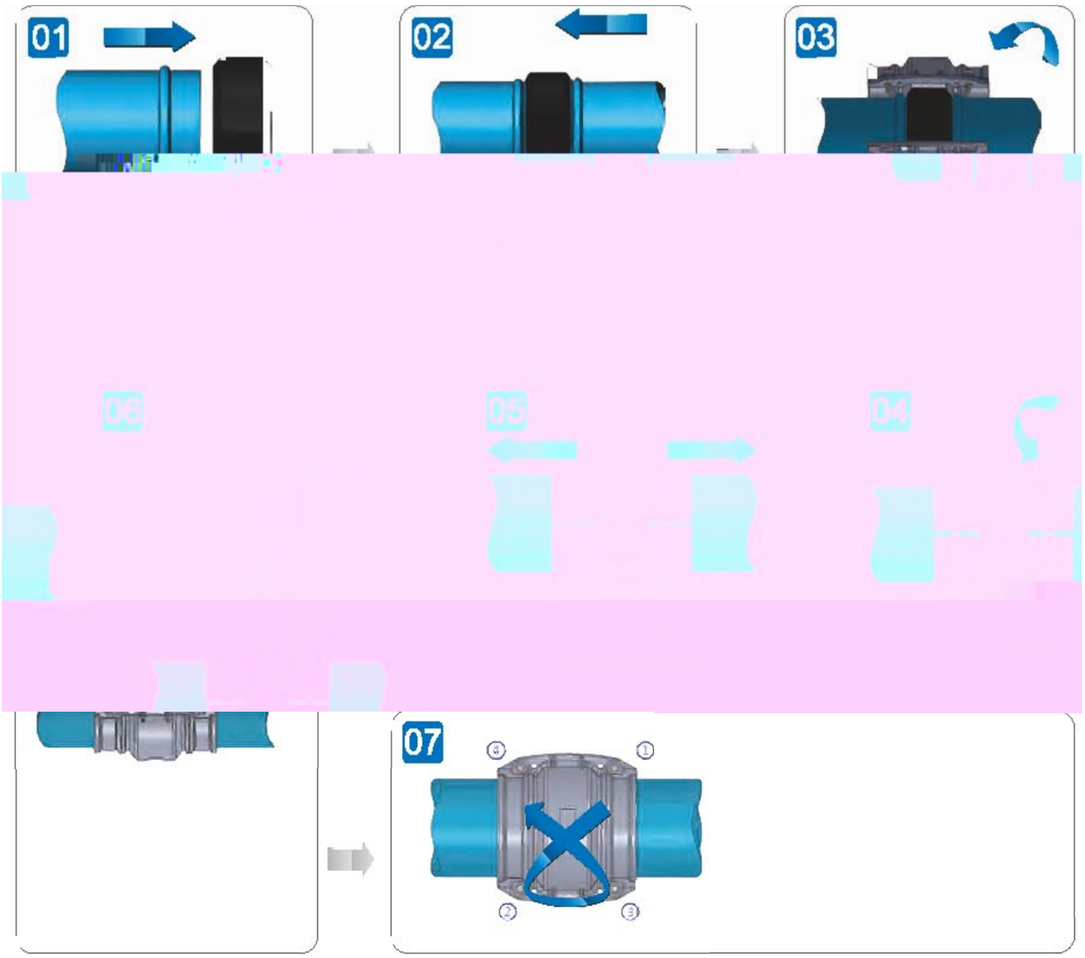
Installation Guide for DN20~DN50



Deburr & Chamfer The Outer and Inner Edges Before Installation



Installation Guide for DN63~DN200



Hand-held hydraulic lugging machine operation requirements

Manually open the jaws of the clamp and insert the aluminum pipe into the clamp as far as possible.

Release the jaws. Press the trigger and crimp the pipe until a"snap" sound is heard.

Re-open the two jaws to remove the pipe and rotate the pipe slightly. Put the jaw side to the mark position.

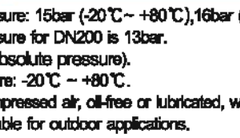
Renew the operation until the required minimum number of lugs for each diameter is finished.

Number of lugs for each diameter:

AIRPIPE	DN63	DN80	DN100	D3	DN200
	5	6	6		2

Note: Do not overlap the lugs!

DN	H(mm)
63	3.0~3.3
80	3.0~3.3
100	3.0~3.3
150	3.0~3.3
200	3.0~3.3



Sizing Chart for Quick Drops

Pipe	Drill Holder	DN	Quick Drops (PN)					
301 35 0005 01	301 35 0006 06	Φ16	302 10 0201 04	302 10 0202 03	302 11 0200 03	302 11 0401 03		
301 35 0005 01	301 35 0006 07	Φ22	302 10 0401 04	302 10 0402 04	302 11 0400 03	302 10 0602 01	302 10 0701 01	302 10 0702 01
			302 10 0501 01	302 10 0602 01	302 10 0601 01	302 10 1002 01	302 10 1102 01	
301 35 0005 01	301 35 0006 03	Φ26	302 10 0801 01	302 10 0802 01	302 10 1001 01	302 11 0801 01	302 11 0700 01	302 11 0701 01
			302 11 0500 01	302 11 0501 01	302 11 0800 01			
			302 11 0600 01	302 11 1000 01				
301 35 0005 02	301 35 0006 04	Φ38	302 10 0804 01					
301 35 0005 02	301 35 0006 05	Φ51	302 10 1004 01	302 10 1005 01	302 10 1104 01	302 10 1105 01		

- The following table is based on a closed-loop pipe system.
- Working pressure is 8bar and pressure drop is 0.4bar, flow speed not taken into account.

Flow	Length									
N m3/h	50M	100M	150M	300M	500M	750M	1000M	1300M	1600M	2000M
10	20	20	20	20	20	20	20	25	25	25
30	20	20	20	25	25	25	25	25	25	40
50	20	25	25	25	25	25	40	40	40	40
70	25	25	25	25	40	40	40	40	40	40
100	25	25	25	40	40	40	40	40	40	50
150	25	40	40	40	40	40	40	50	50	50
250	40	40	40	40	50	50	50	50	50	50
350	40	40	40	50	50	50	63	63	63	63
500	40	40	50	50	63	63	63	63	63	63
750	40	50	50	50	63	63	63	80	80	80
1000	50	50	63	63	63	80	80	100	100	100
1250	50	50	63	63	63	100	100	100	100	100
1500	50	63	63	80	80	100	100	100	100	100
1750	63	63	80	80	80	100	100	100	100	150
2000	63	80	80	80	100	100	100	100	150	150
2500	63	80	80	80	100	100	100	150	150	150
3000	80	80	80	100	100	150	150	150	150	150
3500	80	80	100	100	150	150	150	150	150	150
4000	80	100	100	100	150	150	150	150	150	150
4500	80	100	100	150	150	150	150	150	150	150
5000	80	100	100	150	150	150	150	150	150	150
5500	100	100	100	150	150	150	150	150	150	150
6000	100	100	150	150	150	150	150	150	150	150
6500	150	150	150	150	150	150	150	150	150	200
7200	150	150	150	150	150	150	150	200	200	200
8000	200	200	200	200	200	200	200	200	200	200
8500	200	200	200	200	200	200	200	200	200	200
10000	200	200	200	200	200	200	200	200	200	200
12000	200	200	200	200	200	200	200	200*	200*	200*

Technical Specifications

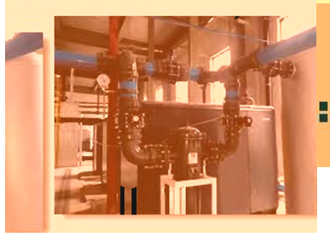
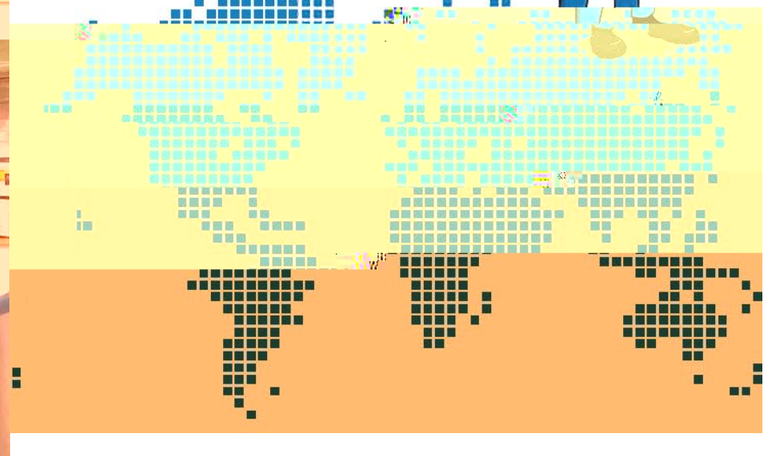
- Max. working pressure: 15bar (-20℃~ +80℃),16bar (-20℃~ +45℃)
  Max. working pressure for DN200 is 13bar.
- Vacuum: 1mbar (absolute pressure).
- Working temperature: -20℃ ~ +80℃.
- Suitable fluids: compressed air, oil-free or lubricated, wet, vacuum, inert gases.
- Fireproof. and suitable for outdoor applications.

Qualification & Standards

2014/68/EU, ASME B31.1, TUV, GB/T4437.1-2000, EN755-8, TS, UI94, ISO 8573-1

Engineered for superior performance

- We are committed to provide superior products and service.
- R&D is a continuous process linked to real-world conditions & market feedback.
- Always customer oriented, from design production to sales and service.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