

ENGINEERED FOR SUPERIOR PERFORMANCE

Stainless Steel Connection System





AQUApipe specializes in solutions for compressed air and fluids distribution. Through out the last 10 years, we have continued to invest in R&D, by taking into account market feedback and real-world conditions, our technology has gone through several stages of evolution. Today the new generation of products are engineered to be the most superior products available.



More than 31,000m² layout, 100% ownership of manufacturing plants, R&D center, office, logistic center. We're committed to your total solution provider for products, system design, engineering proposal and installations.

Our products are utilized globally for all compressed air, inert gas, and fluid applications.





* AQUApipe is a product brand in AIRpipe Group.

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AQUApipe is focusing on fluids supply system solution, it belongs to AIRpipe. By utilizing synergy of piping connection technology from AIRpipe, AQUApipe brings superior performance of thin wall stainless steel pipe system.

By using this unique patented technology, AQUApipe not only inherits all good benefits from stainless steel, but also help you to reduce the installation and material costs to a minimum level.

Now it's time to say goodbye to your welding or threading toolset!

GOODBYE...



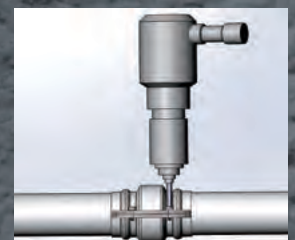


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Superior Performance

OUR TECHNOLOGY

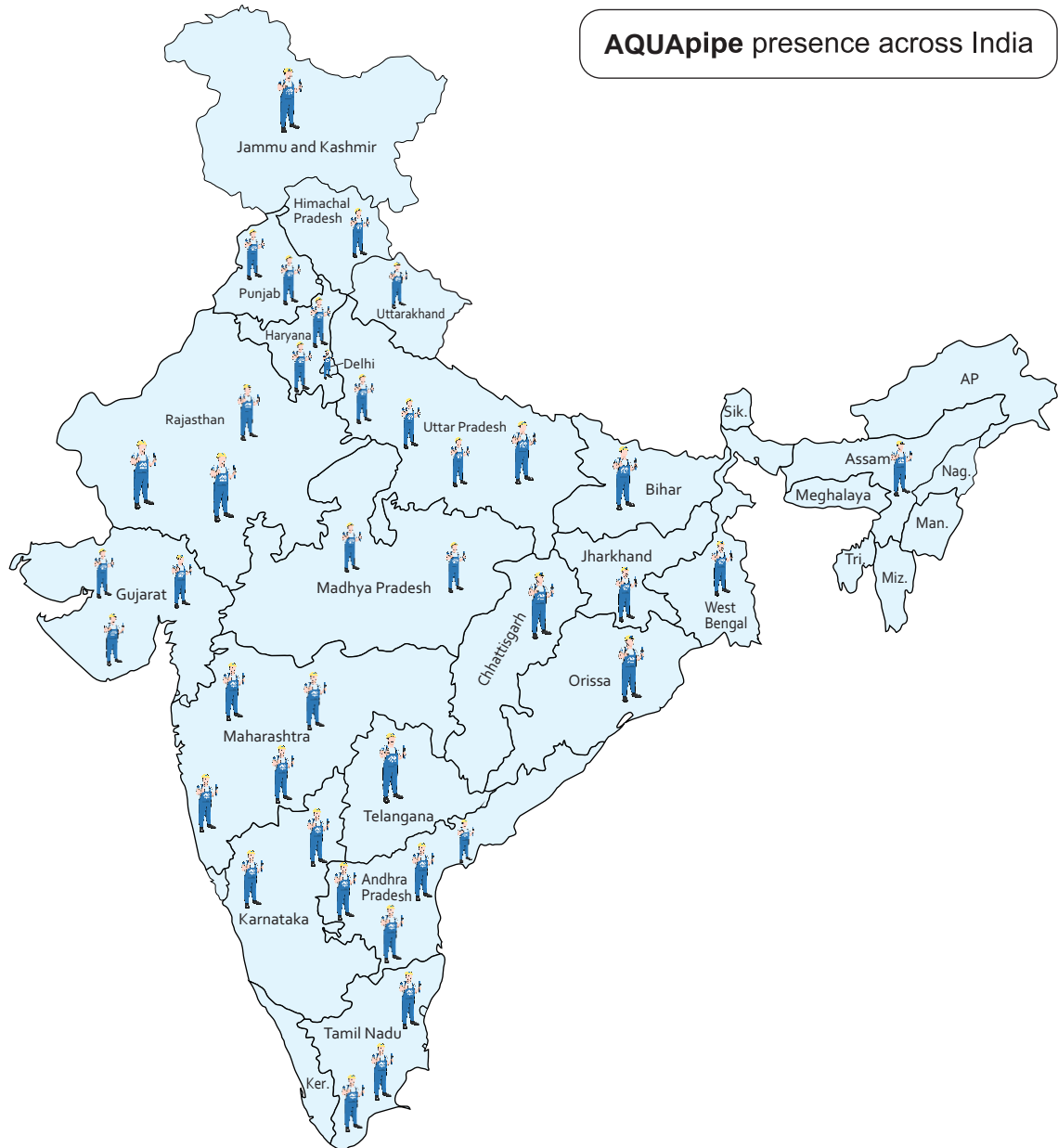


Clamp connection



DN125-250

AQUApipe presence across India



North	West	South	East	Project
E-mail: north@airpipe.in M: +91 9599775242 E-mail: north2@airpipe.in M: +91 9599290943 E-mail: north3@airpipe.in M: +91 9599441637 E-mail: punjab@airpipe.in M: +91 9599441620 E-mail: rajasthan@airpipe.in M: +91 9871178502	E-mail: west@airpipe.in M: +91 9599441097 Email: west1@airpipe.in M: +91 8448289450 E-mail: gujarat@airpipe.in M: +91 9599494422 Email: gujarat1@airpipe.in M: +91 8448391966	E-mail: south@airpipe.in M: +91 9599693311 E-mail: south1@airpipe.in M: +91 9599600762 E-mail: south2@airpipe.in M: +91 9818970106 E-mail: south3@airpipe.in M: +91 9599377552 E-mail: chennai@airpipe.in M: +91 8448175369 E-mail: hyderabad@airpipe.in M: +91 9870210041 E-mail: bangalore@airpipe.in M: +91 8448175391	E-mail: east@airpipe.in M: +91 9599441523 E-mail: jharkhand@airpipe.in M: +91 7428305454 E-mail: guwahati@airpipe.in M: +91 9871178503	E-mail: projects@airpipe.in M: +91 8448392019 Customer Support E-mail: sc@airpipe.in M: +91 9599290941 E-mail: ccs@airpipe.in M: +91 7303640036 E-mail: warehouse@airpipe.in M: +91 9599597955 E-mail: warehouse1@airpipe.in M: +91 9289139644

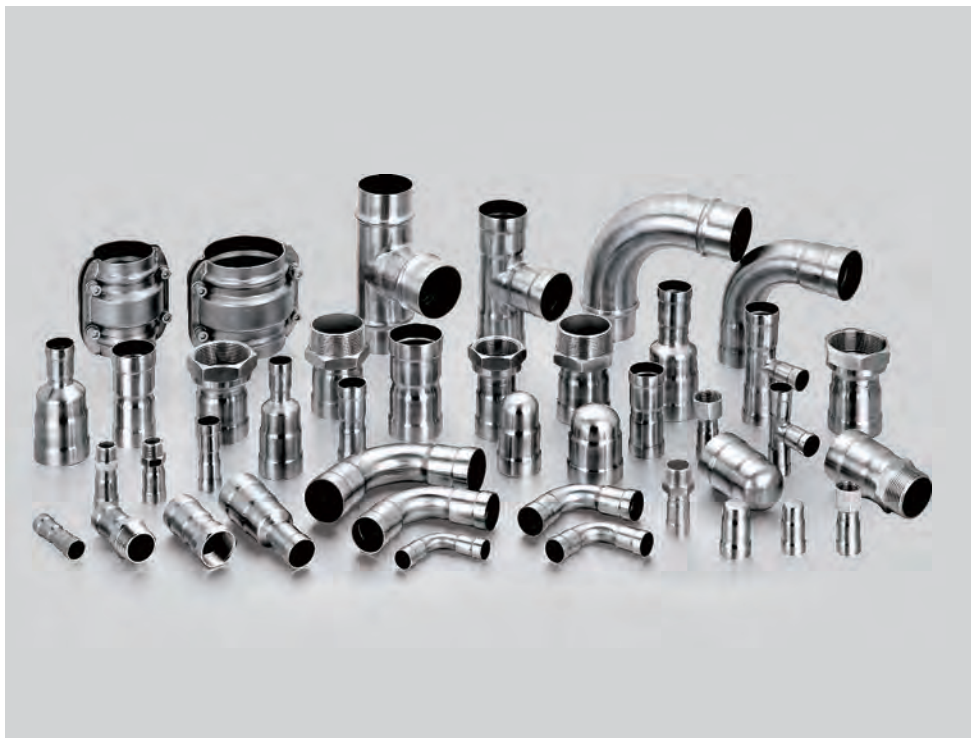


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◀ **DN125-250**

- Clampshell union connector, quick install & re-assembly.
- Convex ring, no shrinking on inner diameter.
- Surface contact, active concentric sealing, leak free.
- Superior reliability & longevity.



DN15-100 ▶

- Built-in sealing, options for gas and liquid.
- Extension fitting sleeve grabbing on pipe.
- Quick & modular installation, reduce labor cost.
- Superior reliability & longevity.



Disadvantage of PPR Pipe



- Aging on UV, not suitable for outdoor installation.
- Bacteria/moss grow on light, pollution into fluids.
- Heat expansion 8 times of SS, strength 1/8 of SS, risk of broken in low temperature.
- Leakage/loosening due to plastic hot melting connection, short lifetime.
- Inner size reduction due to hot melting, flow restriction.

Disadvantage of Carbon Steel Pipe



- Oxidization, rusting will be accelerated after 4-5 years, both inner and outside.
- High flow friction inner surface and pollution into fluids.
- High Leakage & broken risk especially for outdoor and underground installation.
- Thick & heavy pipe, high labor cost due to welding/ threading/ flanging,

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.



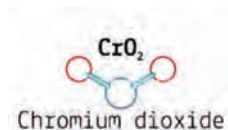
- Wide temperature range by working with proper sealing.
- Moderate expansion characteristics & high tensile strength.
- No risk of breaking due to water freezing.



- 10 years warranty for all AQUApipe & fittings.
- Stability for all weather conditions.
- "Soft" connection can absorb 2-3mm expansion/ contraction.



- Corrosion resistance due to chromium dioxide layer.
- Smooth inner surface ensure best flow characteristics.
- No risk on pollution into fluids.



AQUApipe vs PPR Pipe



vs



	Items	AQUApipe (304)	PPR pipe	Remark
Corrosion Resistance	Tensile strength(N/mm ²)	≥520	≥49	PPR's strength only 9.2% of AQUApipe
	Wear resistance	High	Low	PPR much lower resistance to flow impact
	UV impact	No impact	Aging	Plastic will be aging quickly due to constant UV light
	Expansion factor(10 ⁻⁶ m/°C) (0-100°C)	16	70	Expansion is 8 times of AQUApipe, risk of leaking/ breaking due to temperature change
	Lowest temperature	-40°C, sealing -270°C	-5°C	PPR will be crispy below zero
	Highest temperature	120°C, sealing 400°C	90°C	Risk of toxic materials being separated out when PPR above 90°C
	Environmental endocrine	No	Possible	Disturb endocrine system
Environmental Protection	Contamination precipitation	Very less	Easy to happen	Easy to be polluted due to sunshine and contamination
	Risk of toxic water	No	Possible	If plastic material doesn't comply relevant standard
	Toxic materials	No	Possible	Possible into fluids
	Odours	No	Possible	Possible into fluids
	Recycle	Recycle	Non-degradation	Can not be 100% recycled
	Lifetime	≥100 years	5-20 years	Only ¼ lifetime of AQUApipe

Physical performance of different pipes



Pipe materials	Density (kg/m ³)	Expansion factor (10 ⁻⁶ m/°C)	Thermal conductivity (W/m/°C)	Specific heat conductivity (J/KG/°C)	Resistivity (Ωkmm ² /m)	Young's modulus (KN/mm ²)	Magnetism
AQUApipes	7930	16	15	500	0.72	200	No
Carbon steel pipe	7850	11.6	60	60	0.14	210	Yes
Plastic pipe	UPVC	1350	70	0.05	1470	C.10-18	No
	PE, PEX, PB	950	140				
	PP-R	900	110				

Tensile strength of metal pipes



Pipe type	Material	Tensile strength (MPa)	Elongation (%)
AQUApipes	304	520~750	> 35
	304L	480~670	
	316	520~680	
	316L	480~620	
Carbon steel	Carbon steel	230~290	> 30
Copper	Copper	210~380	/

Flow rate comparison



Pipe materials (L/min)	Nominal Diameter					
	15mm	20mm	25mm	32mm	50mm	65mm
	½	¾	1	1¼	2	2½
AQUApipes	7	16	34	53	174	297
Copper pipe	6	15	30	51	160	265
Galvanized pipe	6	13	25	49	138	265
Aluminum plastic pipe	5	11	24	50	153	/

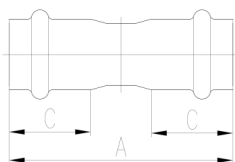
PRODUCT TECHNICAL PARAMETERS

STAINLESS STEEL PIPE



SS304	SS316	Description of products
51200000101	50100000104	STAINLESS STEEL PIPE DN15(ODφ16mm,THICKNESS 0.8mm)5.8m
51200010101	50100010104	STAINLESS STEEL PIPE DN20(ODφ20mm,THICKNESS 1.0mm)5.8m
51200020101	50100020104	STAINLESS STEEL PIPE DN25(ODφ25.4mm,THICKNESS 1.0mm)5.8m
51200030101	50100030104	STAINLESS STEEL PIPE DN32(ODφ32mm,THICKNESS 1.2mm)5.8m
51200040101	50100040104	STAINLESS STEEL PIPE DN40(ODφ40mm,THICKNESS 1.2mm)5.8m
51200050101	50100050104	STAINLESS STEEL PIPE DN50(ODφ50.8mm,THICKNESS 1.2mm)5.8m
51200060101	50100060104	STAINLESS STEEL PIPE DN60(ODφ63.5mm,THICKNESS 1.2mm)5.8m
51200140101	50100140104	STAINLESS STEEL PIPE DN65(ODφ76.1mm,THICKNESS 1.5mm)5.8m
51200070101	50100070104	STAINLESS STEEL PIPE DN80(ODφ88.9mm,THICKNESS 1.5mm)5.8m
51200080001	50100080004	STAINLESS STEEL PIPE DN100(ODφ101.6mm,THICKNESS 1.5mm)5.8m
51200090001	50100090004	STAINLESS STEEL PIPE DN125(ODφ133mm,THICKNESS 2.0mm)5.8m
51200100001	50100100004	STAINLESS STEEL PIPE DN150(ODφ159mm,THICKNESS 2.0mm)5.8m
51200110001	50100110004	STAINLESS STEEL PIPE DN200(ODφ219mm,THICKNESS 2.5mm)5.8m
51200120001	50100120004	STAINLESS STEEL PIPE DN250(ODφ273mm,THICKNESS 3.0mm)5.8m

PIPE TO PIPE JOINT



EPDM		EPDM (NSF)		Description of products	A	B
SS304	SS316	SS304	SS316			
51202000001	51202000005	51202000002	51202000006	PIPE TO PIPE JOINT, DN15, PRESS	58	21
51202010001	51202010005	51202010002	51202010006	PIPE TO PIPE JOINT, DN20, PRESS	63	24
51202020001	51202020005	51202020002	51202020006	PIPE TO PIPE JOINT, DN25, PRESS	76	28
51202030001	51202030005	51202030002	51202030006	PIPE TO PIPE JOINT, DN32, PRESS	91	35
51202040001	51202040005	51202040002	51202040006	PIPE TO PIPE JOINT, DN40, PRESS	112	42.5
51202050001	51202050005	51202050002	51202050006	PIPE TO PIPE JOINT, DN50, PRESS	125	48.5
51202060001	51202060005	51202060002	51202060006	PIPE TO PIPE JOINT, DN60, PRESS	151	58
51202140001	51202140005	51202140002	51202140006	PIPE TO PIPE JOINT, DN65, PRESS	161	60
51202070001	51202070005	51202070002	51202070006	PIPE TO PIPE JOINT, DN80, PRESS	169	70
51202080001	51202080005	51202080002	51202080006	PIPE TO PIPE JOINT, DN100, PRESS	192	82
50102090106	50102090106	not available	not available	PIPE TO PIPE JOINT, DN125, CLAMP		
50102100106	50102100106	not available	not available	PIPE TO PIPE JOINT, DN150, CLAMP		
50102110106	50102110106	not available	not available	PIPE TO PIPE JOINT, DN200, CLAMP		
50102120103	50102120103	not available	not available	PIPE TO PIPE JOINT(STEEL), DN250, CLAMP		



NBR		FKM		Description of products	A	B
SS304	SS316	SS304	SS316			
51202000003	51202000007	51202000004	51202000008	PIPE TO PIPE JOINT, DN15, PRESS	58	21
51202010003	51202010007	51202010004	51202010008	PIPE TO PIPE JOINT, DN20, PRESS	63	24
51202020003	51202020007	51202020004	51202020008	PIPE TO PIPE JOINT, DN25, PRESS	76	28
51202030003	51202030007	51202030004	51202030008	PIPE TO PIPE JOINT, DN32, PRESS	91	35
51202040003	51202040007	51202040004	51202040008	PIPE TO PIPE JOINT, DN40, PRESS	112	42.5
51202050003	51202050007	51202050004	51202050008	PIPE TO PIPE JOINT, DN50, PRESS	125	48.5
51202060003	51202060007	51202060004	51202060008	PIPE TO PIPE JOINT, DN60, PRESS	151	58
51202140003	51202140007	51202140004	51202140008	PIPE TO PIPE JOINT, DN65, PRESS	161	60
51202070003	51202070007	51202070004	51202070008	PIPE TO PIPE JOINT, DN80, PRESS	169	70
51202080003	51202080007	51202080004	51202080008	PIPE TO PIPE JOINT, DN100, PRESS	192	82
50102090105	50102090105	50102090107	50102090107	PIPE TO PIPE JOINT, DN125, CLAMP		
50102100105	50102100105	50102100107	50102100107	PIPE TO PIPE JOINT, DN150, CLAMP		
50102110105	50102110105	50102110107	50102110107	PIPE TO PIPE JOINT, DN200, CLAMP		
50102120102	50102120102	50102120104	50102120104	PIPE TO PIPE JOINT(STEEL), DN250, CLAMP		

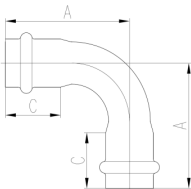
SLIDE PIPE TO PIPE JOINT



EPDM		EPDM (NSF)		Description of products	A
SS304	SS316	SS304	SS316		
51202009901	51202009905	51202009902	51202009906	LONG PIPE TO PIPE JOINT, DN15, PRESS	116
51202019901	51202019905	51202019902	51202019906	LONG PIPE TO PIPE JOINT, DN20, PRESS	131
51202029901	51202029905	51202029902	51202029906	LONG PIPE TO PIPE JOINT, DN25, PRESS	129
51202039901	51202039905	51202039902	51202039906	LONG PIPE TO PIPE JOINT, DN32, PRESS	100
51202049901	51202049905	51202049902	51202049906	LONG PIPE TO PIPE JOINT, DN40, PRESS	116
51202059901	51202059905	51202059902	51202059906	LONG PIPE TO PIPE JOINT, DN50, PRESS	126
51202069901	51202069905	51202069902	51202069906	LONG PIPE TO PIPE JOINT, DN60, PRESS	214
51202149901	51202149905	51202149902	51202149906	LONG PIPE TO PIPE JOINT, DN65, PRESS	232
51202079901	51202079905	51202079902	51202079906	LONG PIPE TO PIPE JOINT, DN80, PRESS	265
51202089901	51202089905	51202089902	51202089906	LONG PIPE TO PIPE JOINT, DN100, PRESS	300

NBR		FKM		Description of products	A
SS304	SS316	SS304	SS316		
51202009903	51202009907	51202009904	51202009908	LONG PIPE TO PIPE JOINT, DN15, PRESS	116
51202019903	51202019907	51202019904	51202019908	LONG PIPE TO PIPE JOINT, DN20, PRESS	131
51202029903	51202029907	51202029904	51202029908	LONG PIPE TO PIPE JOINT, DN25, PRESS	129
51202039903	51202039907	51202039904	51202039908	LONG PIPE TO PIPE JOINT, DN32, PRESS	100
51202049903	51202049907	51202049904	51202049908	LONG PIPE TO PIPE JOINT, DN40, PRESS	116
51202059903	51202059907	51202059904	51202059908	LONG PIPE TO PIPE JOINT, DN50, PRESS	126
51202069903	51202069907	51202069904	51202069908	LONG PIPE TO PIPE JOINT, DN60, PRESS	214
51202149903	51202149907	51202149904	51202149908	LONG PIPE TO PIPE JOINT, DN65, PRESS	232
51202079903	51202079907	51202079904	51202079908	LONG PIPE TO PIPE JOINT, DN80, PRESS	265
51202089903	51202089907	51202089904	51202089908	LONG PIPE TO PIPE JOINT, DN100, PRESS	300

90° ELBOW



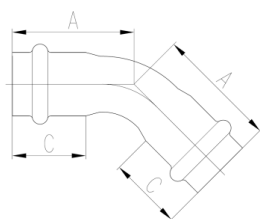
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SS304	SS316	SS304	SS316			
51203000001	51203000005	51203000002	51203000006	90°ELBOW, DN15, PRESS	47.5	21
51203010001	51203010005	51203010002	51203010006	90°ELBOW, DN20, PRESS	58	24
51203020001	51203020005	51203020002	51203020006	90°ELBOW, DN25, PRESS	71.5	28
51203030001	51203030005	51203030002	51203030006	90°ELBOW, DN32, PRESS	84	35
51203040001	51203040005	51203040002	51203040006	90°ELBOW, DN40, PRESS	107	42.5
51203050001	51203050005	51203050002	51203050006	90°ELBOW, DN50, PRESS	129.5	48.5
51203060001	51203060005	51203060002	51203060006	90°ELBOW, DN60, PRESS	165	58
51203140001	51203140005	51203140002	51203140006	90°ELBOW, DN65, PRESS	185	60
51203070001	51203070005	51203070002	51203070006	90°ELBOW, DN80, PRESS	215	70
51203080001	51203080005	51203080002	51203080006	90°ELBOW, DN100, PRESS	245	82

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51203000003	51203000007	51203000004	51203000008	90°ELBOW, DN15, PRESS	47.5	21
51203010003	51203010007	51203010004	51203010008	90°ELBOW, DN20, PRESS	58	24
51203020003	51203020007	51203020004	51203020008	90°ELBOW, DN25, PRESS	71.5	28
51203030003	51203030007	51203030004	51203030008	90°ELBOW, DN32, PRESS	84	35
51203040003	51203040007	51203040004	51203040008	90°ELBOW, DN40, PRESS	107	42.5
51203050003	51203050007	51203050004	51203050008	90°ELBOW, DN50, PRESS	129.5	48.5
51203060003	51203060007	51203060004	51203060008	90°ELBOW, DN60, PRESS	165	58
51203140003	51203140007	51203140004	51203140008	90°ELBOW, DN65, PRESS	185	60
51203070003	51203070007	51203070004	51203070008	90°ELBOW, DN80, PRESS	215	70
51203080003	51203080007	51203080004	51203080008	90°ELBOW, DN100, PRESS	245	82



EPDM		Description of products
SS304	SS316	
50103090003	50103090004	90°ELBOW, DN125, CLAMP
50103100003	50103100004	90°ELBOW, DN150, CLAMP
50103110003	50103110004	90°ELBOW, DN200, CLAMP
50103120003	50103120004	90°ELBOW, DN250, CLAMP

45° ELBOW

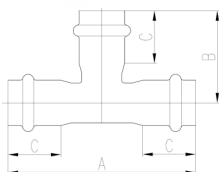


EPDM		EPDM (NSF)		Description of products	A	C
SS304	SS316	SS304	SS316			
51204000001	51204000005	51204000002	51204000006	45°ELBOW, DN15, PRESS	35	21
51204010001	51204010005	51204010002	51204010006	45°ELBOW, DN20, PRESS	40	24
51204020001	51204020005	51204020002	51204020006	45°ELBOW, DN25, PRESS	47.5	28
51204030001	51204030005	51204030002	51204030006	45°ELBOW, DN32, PRESS	58.5	35
51204040001	51204040005	51204040002	51204040006	45°ELBOW, DN40, PRESS	72	42.5
51204050001	51204050005	51204050002	51204050006	45°ELBOW, DN50, PRESS	85.5	48.5
51204060001	51204060005	51204060002	51204060006	45°ELBOW, DN60, PRESS	109	58
51204140001	51204140005	51204140002	51204140006	45°ELBOW, DN65, PRESS	118	60
51204070001	51204070005	51204070002	51204070006	45°ELBOW, DN80, PRESS	136.5	70
51204080001	51204080005	51204080002	51204080006	45°ELBOW, DN100, PRESS	156	82

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51204000003	51204000007	51204000004	51204000008	45°ELBOW, DN15, PRESS	35	21
51204010003	51204010007	51204010004	51204010008	45°ELBOW, DN20, PRESS	40	24
51204020003	51204020007	51204020004	51204020008	45°ELBOW, DN25, PRESS	47.5	28
51204030003	51204030007	51204030004	51204030008	45°ELBOW, DN32, PRESS	58.5	35
51204040003	51204040007	51204040004	51204040008	45°ELBOW, DN40, PRESS	72	42.5
51204050003	51204050007	51204050004	51204050008	45°ELBOW, DN50, PRESS	85.5	48.5
51204060003	51204060007	51204060004	51204060008	45°ELBOW, DN60, PRESS	109	58
51204140003	51204140007	51204140004	51204140008	45°ELBOW, DN65, PRESS	118	60
51204070003	51204070007	51204070004	51204070008	45°ELBOW, DN80, PRESS	136.5	70
51204080003	51204080007	51204080004	51204080008	45°ELBOW, DN100, PRESS	156	82

EPDM		Description of products
SS304	SS316	
50104090003	50104090004	45°ELBOW, DN125, CLAMP
50104100003	50104100004	45°ELBOW, DN150, CLAMP
50104110003	50104110004	45°ELBOW, DN200, CLAMP
50104120003	50104120004	45°ELBOW, DN250, CLAMP

EQUAL TEE

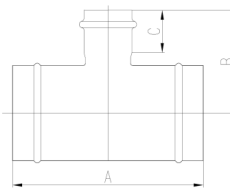


EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51205000001	51205000005	51205000002	51205000006	EQUAL TEE, DN15, PRESS	75	37	21
51205010001	51205010005	51205010002	51205010006	EQUAL TEE, DN20, PRESS	90	43	24
51205020001	51205020005	51205020002	51205020006	EQUAL TEE, DN25, PRESS	108	51.5	28
51205030001	51205030005	51205030002	51205030006	EQUAL TEE, DN32, PRESS	130	64	35
51205040001	51205040005	51205040002	51205040006	EQUAL TEE, DN40, PRESS	164	78	42.5
51205050001	51205050005	51205050002	51205050006	EQUAL TEE, DN50, PRESS	187	89.5	48.5
51205060001	51205060005	51205060002	51205060006	EQUAL TEE, DN60, PRESS	220	109	58
51205140001	51205140005	51205140002	51205140006	EQUAL TEE, DN65, PRESS	237	118	60
51205070001	51205070005	51205070002	51205070006	EQUAL TEE, DN80, PRESS	264	130	70
51205080001	51205080005	51205080002	51205080006	EQUAL TEE, DN100, PRESS	302	149	82

NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51205000003	51205000007	51205000004	51205000008	EQUAL TEE, DN15, PRESS	75	37	21
51205010003	51205010007	51205010004	51205010008	EQUAL TEE, DN20, PRESS	90	43	24
51205020003	51205020007	51205020004	51205020008	EQUAL TEE, DN25, PRESS	108	51.5	28
51205030003	51205030007	51205030004	51205030008	EQUAL TEE, DN32, PRESS	130	64	35
51205040003	51205040007	51205040004	51205040008	EQUAL TEE, DN40, PRESS	164	78	42.5
51205050003	51205050007	51205050004	51205050008	EQUAL TEE, DN50, PRESS	187	89.5	48.5
51205060003	51205060007	51205060004	51205060008	EQUAL TEE, DN60, PRESS	220	109	58
51205140003	51205140007	51205140004	51205140008	EQUAL TEE, DN65, PRESS	237	118	60
51205070003	51205070007	51205070004	51205070008	EQUAL TEE, DN80, PRESS	264	130	70
51205080003	51205080007	51205080004	51205080008	EQUAL TEE, DN100, PRESS	302	149	82

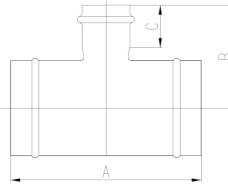
EPDM		Description of products
SS304	SS316	
50105090003	50105090004	EQUAL TEE, DN125, CLAMP
50105100003	50105100004	EQUAL TEE, DN150, CLAMP
50105110003	50105110004	EQUAL TEE, DN200, CLAMP
50105120003	50105120004	EQUAL TEE, DN250, CLAMP

REDUCING TEE



EPDM		EPDM (NSF)		Description of products	A	B	C	C1
SS304	SS316	SS304	SS316					
51207010001	51207010005	51207010002	51207010006	REDUCING TEE,DN20-DN15, PRESS	90	47.5	24	21
51207020001	51207020005	51207020002	51207020006	REDUCING TEE,DN25-DN15, PRESS	108	50	28	21
51207020101	51207020105	51207020102	51207020106	REDUCING TEE,DN25-DN20, PRESS	108	58	28	24
51207030001	51207030005	51207030002	51207030006	REDUCING TEE,DN32-DN15, PRESS	130	53.5	35	21
51207030101	51207030105	51207030102	51207030106	REDUCING TEE,DN32-DN20, PRESS	130	61	35	24
51207030201	51207030205	51207030202	51207030206	REDUCING TEE,DN32-DN25, PRESS	130	55	35	28
51207040001	51207040005	51207040002	51207040006	REDUCING TEE,DN50-DN15, PRESS	164	57.5	42.5	21
51207040101	51207040105	51207040102	51207040106	REDUCING TEE,DN40-DN20, PRESS	164	65	42.5	24
51207040201	51207040205	51207040202	51207040206	REDUCING TEE,DN40-DN25, PRESS	164	58	42.5	28
51207040301	51207040305	51207040302	51207040306	REDUCING TEE,DN40-DN32, PRESS	164	65	42.5	35
51207050001	51207050005	51207050002	51207050006	REDUCING TEE,DN50-DN15, PRESS	187	64	48.5	21
51207050101	51207050105	51207050102	51207050106	REDUCING TEE,DN50-DN20, PRESS	187	71	48.5	24
51207050201	51207050205	51207050202	51207050206	REDUCING TEE,DN50-DN25, PRESS	187	64	48.5	28
51207050301	51207050305	51207050302	51207050306	REDUCING TEE,DN50-DN32, PRESS	187	72	48.5	35
51207050401	51207050405	51207050402	51207050406	REDUCING TEE,DN50-DN40, PRESS	187	82	48.5	42.5
51207060001	51207060005	51207060002	51207060006	REDUCING TEE,DN60-DN15, PRESS	220	70	58	21
51207060101	51207060105	51207060102	51207060106	REDUCING TEE,DN60-DN20, PRESS	220	76	58	24
51207060201	51207060205	51207060202	51207060206	REDUCING TEE,DN60-DN25, PRESS	220	71	58	28
51207060301	51207060305	51207060302	51207060306	REDUCING TEE,DN60-DN32, PRESS	220	78	58	35
51207060401	51207060405	51207060402	51207060406	REDUCING TEE,DN60-DN40, PRESS	220	90	58	42.5
51207060501	51207060505	51207060502	51207060506	REDUCING TEE,DN60-DN50, PRESS	220	95	58	48.5
51207140001	51207140005	51207140002	51207140006	REDUCING TEE,DN65-DN15, PRESS	237	77	60	21
51207140101	51207140105	51207140102	51207140106	REDUCING TEE,DN65-DN20, PRESS	237	83	60	24
51207140201	51207140205	51207140202	51207140206	REDUCING TEE,DN65-DN25, PRESS	237	77	60	28
51207140301	51207140305	51207140302	51207140306	REDUCING TEE,DN65-DN32, PRESS	237	85	60	35
51207140401	51207140405	51207140402	51207140406	REDUCING TEE,DN65-DN40, PRESS	237	95	60	42.8
51207140501	51207140505	51207140502	51207140506	REDUCING TEE,DN65-DN50, PRESS	237	102	60	48.5
51207140601	51207140605	51207140602	51207140606	REDUCING TEE,DN65-DN60, PRESS	237	115	60	58
51207070101	51207070105	51207070102	51207070106	REDUCING TEE,DN80-DN20, PRESS	264	89	70	24
51207070201	51207070205	51207070202	51207070206	REDUCING TEE,DN80-DN25, PRESS	264	83.5	70	28
51207070301	51207070305	51207070302	51207070306	REDUCING TEE,DN80-DN32, PRESS	264	91	70	35
51207070401	51207070405	51207070402	51207070406	REDUCING TEE,DN80-DN40, PRESS	264	101.5	70	42.5
51207070501	51207070505	51207070502	51207070506	REDUCING TEE,DN80-DN50, PRESS	264	108	70	48.5
51207070601	51207070605	51207070602	51207070606	REDUCING TEE,DN80-DN60, PRESS	264	121	70	58
51207071401	51207071405	51207071402	51207071406	REDUCING TEE,DN80-DN65, PRESS	264	123.5	70	60
51207080101	51207080105	51207080102	51207080106	REDUCING TEE,DN100-DN20, PRESS	302	95	82	24
51207080201	51207080205	51207080202	51207080206	REDUCING TEE,DN100-DN25, PRESS	302	90	82	28
51207080301	51207080305	51207080302	51207080306	REDUCING TEE,DN100-DN32, PRESS	302	97	82	35
51207080401	51207080405	51207080402	51207080406	REDUCING TEE,DN100-DN40, PRESS	302	108	82	42.5
51207080501	51207080505	51207080502	51207080506	REDUCING TEE,DN100-DN50, PRESS	302	114	82	48.5
51207080601	51207080605	51207080602	51207080606	REDUCING TEE,DN100-DN60, PRESS	302	127	82	58
51207081401	51207081405	51207081402	51207081406	REDUCING TEE,DN100-DN65, PRESS	302	130	82	60
51207080701	51207080705	51207080702	51207080706	REDUCING TEE,DN100-DN80, PRESS	302	137	82	70
51207090601	51207090605	51207090602	51207090606	REDUCING TEE,DN125-DN60, CLAMP-PRESS	267.5	144.5		
51207091401	51207091405	51207091402	51207091406	REDUCING TEE,DN125-DN65, CLAMP-PRESS	280	147.5		
51207090701	51207090705	51207090702	51207090706	REDUCING TEE,DN125-DN80, CLAMP-PRESS	299	153.5		
51207090801	51207090805	51207090802	51207090806	REDUCING TEE,DN125-DN100, CLAMP-PRESS	313	161.5		
51207100601	51207100605	51207100602	51207100606	REDUCING TEE,DN150-DN60, CLAMP-PRESS	272.5	157		
51207101401	51207101405	51207101402	51207101406	REDUCING TEE,DN150-DN65, CLAMP-PRESS	285	159.5		
51207100701	51207100705	51207100702	51207100706	REDUCING TEE,DN150-DN80, CLAMP-PRESS	298	166.5		
51207100801	51207100805	51207100802	51207100806	REDUCING TEE,DN150-DN100, CLAMP-PRESS	310	174.5		
50107100903	50107100904			REDUCING TEE,DN150-DN125, CLAMP-CLAMP				
51207110601	51207110605	51207110602	51207110606	REDUCING TEE,DN200-DN60, CLAMP-PRESS	265	187	58	
51207111401	51207111405	51207111402	51207111406	REDUCING TEE,DN200-DN65, CLAMP-PRESS	280	189.5	60	
51207110701	51207110705	51207110702	51207110706	REDUCING TEE,DN200-DN80, CLAMP-PRESS	295	196.5	70	
51207110801	51207110805	51207110802	51207110806	REDUCING TEE,DN200-DN100, CLAMP-PRESS	310	204.5	82	
50107110903	50107110904			REDUCING TEE,DN200-DN125, CLAMP-CLAMP				
50107111003	50107111004			REDUCING TEE,DN200-DN150, CLAMP-CLAMP				
51207120601	51207120605	51207120602	51207120606	REDUCING TEE,DN250-DN60, CLAMP-PRESS	239	214	58	
51207121401	51207121405	51207121402	51207121406	REDUCING TEE,DN250-DN65, CLAMP-PRESS	281.5	216.5	60	
51207120701	51207120705	51207120702	51207120706	REDUCING TEE,DN250-DN80, CLAMP-PRESS	294	223.5	70	
51207120801	51207120805	51207120802	51207120806	REDUCING TEE,DN250-DN100, CLAMP-PRESS	315	231.5	82	
50107120903	50107120904			REDUCING TEE,DN250-DN125, CLAMP-CLAMP				
50107121003	50107121004			REDUCING TEE,DN250-DN150, CLAMP-CLAMP				
50107121103	50107121104			REDUCING TEE,DN250-DN200, CLAMP-CLAMP				

REDUCING TEE



NBR		FKM		Description of products	A	B	C	C1
SS304	SS316	SS304	SS316					
51207010003	51207010007	51207010004	51207010008	REDUCING TEE,DN20-DN15, PRESS	90	47.5	24	21
51207020003	51207020007	51207020004	51207020008	REDUCING TEE,DN25-DN15, PRESS	108	50	28	21
51207020103	51207020107	51207020104	51207020108	REDUCING TEE,DN25-DN20, PRESS	108	58	28	24
51207030003	51207030007	51207030004	51207030008	REDUCING TEE,DN32-DN15, PRESS	130	53.5	35	21
51207030103	51207030107	51207030104	51207030108	REDUCING TEE,DN32-DN20, PRESS	130	61	35	24
51207030203	51207030207	51207030204	51207030208	REDUCING TEE,DN32-DN25, PRESS	130	55	35	28
51207040003	51207040007	51207040004	51207040008	REDUCING TEE,DN40-DN15, PRESS	164	57.5	42.5	21
51207040103	51207040107	51207040104	51207040108	REDUCING TEE,DN40-DN20, PRESS	164	65	42.5	24
51207040203	51207040207	51207040204	51207040208	REDUCING TEE,DN40-DN25, PRESS	164	58	42.5	28
51207040303	51207040307	51207040304	51207040308	REDUCING TEE,DN40-DN32, PRESS	164	65	42.5	35
51207050003	51207050007	51207050004	51207050008	REDUCING TEE,DN50-DN15, PRESS	187	64	48.5	21
51207050103	51207050107	51207050104	51207050108	REDUCING TEE,DN50-DN20, PRESS	187	71	48.5	24
51207050203	51207050207	51207050204	51207050208	REDUCING TEE,DN50-DN25, PRESS	187	64	48.5	28
51207050303	51207050307	51207050304	51207050308	REDUCING TEE,DN50-DN32, PRESS	187	72	48.5	35
51207050403	51207050407	51207050404	51207050408	REDUCING TEE,DN50-DN40, PRESS	187	82	48.5	42.5
51207060003	51207060007	51207060004	51207060008	REDUCING TEE,DN60-DN15, PRESS	220	70	58	21
51207060103	51207060107	51207060104	51207060108	REDUCING TEE,DN60-DN20, PRESS	220	76	58	24
51207060203	51207060207	51207060204	51207060208	REDUCING TEE,DN60-DN25, PRESS	220	71	58	28
51207060303	51207060307	51207060304	51207060308	REDUCING TEE,DN60-DN32, PRESS	220	78	58	35
51207060403	51207060407	51207060404	51207060408	REDUCING TEE,DN60-DN40, PRESS	220	90	58	42.5
51207060503	51207060507	51207060504	51207060508	REDUCING TEE,DN60-DN50, PRESS	220	95	58	48.5
51207140003	51207140007	51207140004	51207140008	REDUCING TEE,DN65-DN15, PRESS	237	77	60	21
51207140103	51207140107	51207140104	51207140108	REDUCING TEE,DN65-DN20, PRESS	237	83	60	24
51207140203	51207140207	51207140204	51207140208	REDUCING TEE,DN65-DN25, PRESS	237	77	60	28
51207140303	51207140307	51207140304	51207140308	REDUCING TEE,DN65-DN32, PRESS	237	85	60	35
51207140403	51207140407	51207140404	51207140408	REDUCING TEE,DN65-DN40, PRESS	237	95	60	42.8
51207140503	51207140507	51207140504	51207140508	REDUCING TEE,DN65-DN50, PRESS	237	102	60	48.5
51207140603	51207140607	51207140604	51207140608	REDUCING TEE,DN65-DN60, PRESS	237	115	60	58
51207070103	51207070107	51207070104	51207070108	REDUCING TEE,DN80-DN20, PRESS	264	89	70	24
51207070203	51207070207	51207070204	51207070208	REDUCING TEE,DN80-DN25, PRESS	264	83.5	70	28
51207070303	51207070307	51207070304	51207070308	REDUCING TEE,DN80-DN32, PRESS	264	91	70	35
51207070403	51207070407	51207070404	51207070408	REDUCING TEE,DN80-DN40, PRESS	264	101.5	70	42.5
51207070503	51207070507	51207070504	51207070508	REDUCING TEE,DN80-DN50, PRESS	264	108	70	48.5
51207070603	51207070607	51207070604	51207070608	REDUCING TEE,DN80-DN60, PRESS	264	121	70	58
51207071403	51207071407	51207071404	51207071408	REDUCING TEE,DN80-DN65, PRESS	264	123.5	70	60
51207080103	51207080107	51207080104	51207080108	REDUCING TEE,DN100-DN20, PRESS	302	95	82	24
51207080203	51207080207	51207080204	51207080208	REDUCING TEE,DN100-DN25, PRESS	302	90	82	28
51207080303	51207080307	51207080304	51207080308	REDUCING TEE,DN100-DN32, PRESS	302	97	82	35
51207080403	51207080407	51207080404	51207080408	REDUCING TEE,DN100-DN40, PRESS	302	108	82	42.5
51207080503	51207080507	51207080504	51207080508	REDUCING TEE,DN100-DN50, PRESS	302	114	82	48.5
51207080603	51207080607	51207080604	51207080608	REDUCING TEE,DN100-DN60, PRESS	302	127	82	58
51207081403	51207081407	51207081404	51207081408	REDUCING TEE,DN100-DN65, PRESS	302	130	82	60
51207080703	51207080707	51207080704	51207080708	REDUCING TEE,DN100-DN80, PRESS	302	137	82	70
51207090603	51207090607	51207090604	51207090608	REDUCING TEE,DN125-DN60, CLAMP-PRESS	267.5	144.5		
51207091403	51207091407	51207091404	51207091408	REDUCING TEE,DN125-DN65, CLAMP-PRESS	280	147.5		
51207090703	51207090707	51207090704	51207090708	REDUCING TEE,DN125-DN80, CLAMP-PRESS	299	153.5		
51207090803	51207090807	51207090804	51207090808	REDUCING TEE,DN125-DN100, CLAMP-PRESS	313	161.5		
51207100603	51207100607	51207100604	51207100608	REDUCING TEE,DN150-DN60, CLAMP-PRESS	272.5	157		
51207101403	51207101407	51207101404	51207101408	REDUCING TEE,DN150-DN65, CLAMP-PRESS	285	159.5		
51207100703	51207100707	51207100704	51207100708	REDUCING TEE,DN150-DN80, CLAMP-PRESS	298	166.5		
51207100803	51207100807	51207100804	51207100808	REDUCING TEE,DN150-DN100, CLAMP-PRESS	310	174.5		
51207110603	51207110607	51207110604	51207110608	REDUCING TEE,DN200-DN60, CLAMP-PRESS	265	187	58	
51207111403	51207111407	51207111404	51207111408	REDUCING TEE,DN200-DN65, CLAMP-PRESS	280	189.5	60	
51207110703	51207110707	51207110704	51207110708	REDUCING TEE,DN200-DN80, CLAMP-PRESS	295	196.5	70	
51207110803	51207110807	51207110804	51207110808	REDUCING TEE,DN200-DN100, CLAMP-PRESS	310	204.5	82	
51207120603	51207120607	51207120604	51207120608	REDUCING TEE,DN250-DN60, CLAMP-PRESS	239	214	58	
51207121403	51207121407	51207121404	51207121408	REDUCING TEE,DN250-DN65, CLAMP-PRESS	281.5	216.5	60	
51207120703	51207120707	51207120704	51207120708	REDUCING TEE,DN250-DN80, CLAMP-PRESS	294	223.5	70	
51207120803	51207120807	51207120804	51207120808	REDUCING TEE,DN250-DN100, CLAMP-PRESS	315	231.5	82	

REDUCING PIPE TO PIPE JOINT



EPDM		EPDM (NSF)		Description of products	A	C	C1
SS304	SS316	SS304	SS316				
51221010001	51221010005	51221010002	51221010006	REDUCING PIPE TO PIPE JOINT,DN20-DN15, PRESS	68.5	24	21
51221020001	51221020005	51221020002	51221020006	REDUCING PIPE TO PIPE JOINT,DN25-DN15, PRESS	75	28	21
51221020101	51221020105	51221020102	51221020106	REDUCING PIPE TO PIPE JOINT,DN25-DN20, PRESS	79	28	24
51221030001	51221030005	51221030002	51221030006	REDUCING PIPE TO PIPE JOINT,DN32-DN15, PRESS	85	35	21
51221030101	51221030105	51221030102	51221030106	REDUCING PIPE TO PIPE JOINT,DN32-DN20, PRESS	95	35	24
51221030201	51221030205	51221030202	51221030206	REDUCING PIPE TO PIPE JOINT,DN32-DN25, PRESS	94	35	28
51221040001	51221040005	51221040002	51221040006	REDUCING PIPE TO PIPE JOINT,DN40-DN15, PRESS	109	42.5	21
51221040101	51221040105	51221040102	51221040106	REDUCING PIPE TO PIPE JOINT,DN40-DN20, PRESS	112	42.5	24
51221040201	51221040205	51221040202	51221040206	REDUCING PIPE TO PIPE JOINT,DN40-DN25, PRESS	116.5	42.5	28
51221040301	51221040305	51221040302	51221040306	REDUCING PIPE TO PIPE JOINT,DN40-DN32, PRESS	114	42.5	35
51221050001	51221050005	51221050002	51221050006	REDUCING PIPE TO PIPE JOINT,DN50-DN15, PRESS	113.5	48.5	21
51221050101	51221050105	51221050102	51221050106	REDUCING PIPE TO PIPE JOINT,DN50-DN20, PRESS	117	48.5	24
51221050201	51221050205	51221050202	51221050206	REDUCING PIPE TO PIPE JOINT,DN50-DN25, PRESS	123.5	48.5	28
51221050301	51221050305	51221050302	51221050306	REDUCING PIPE TO PIPE JOINT,DN50-DN32, PRESS	131	48.5	35
51221050401	51221050405	51221050402	51221050406	REDUCING PIPE TO PIPE JOINT,DN50-DN40, PRESS	135	48.5	42.5
51221060001	51221060005	51221060002	51221060006	REDUCING PIPE TO PIPE JOINT,DN60-DN15, PRESS	180	58	21
51221060101	51221060105	51221060102	51221060106	REDUCING PIPE TO PIPE JOINT,DN60-DN20, PRESS	182.5	58	24
51221060201	51221060205	51221060202	51221060206	REDUCING PIPE TO PIPE JOINT,DN60-DN25, PRESS	187	58	28
51221060301	51221060305	51221060302	51221060306	REDUCING PIPE TO PIPE JOINT,DN60-DN32, PRESS	195.5	58	35
51221060401	51221060405	51221060402	51221060406	REDUCING PIPE TO PIPE JOINT,DN60-DN40, PRESS	204.5	58	42.5
51221060501	51221060505	51221060502	51221060506	REDUCING PIPE TO PIPE JOINT,DN60-DN50, PRESS	210	58	48.5
51221140101	51221140105	51221140102	51221140106	REDUCING PIPE TO PIPE JOINT,DN65-DN20, PRESS	192.5	60	24
51221140201	51221140205	51221140202	51221140206	REDUCING PIPE TO PIPE JOINT,DN65-DN25, PRESS	200	60	28
51221140301	51221140305	51221140302	51221140306	REDUCING PIPE TO PIPE JOINT,DN65-DN32, PRESS	207.5	60	35
51221140401	51221140405	51221140402	51221140406	REDUCING PIPE TO PIPE JOINT,DN65-DN40, PRESS	218	60	42.5
51221140501	51221140505	51221140502	51221140506	REDUCING PIPE TO PIPE JOINT,DN65-DN50, PRESS	224.5	60	48.5
51221140601	51221140605	51221140602	51221140606	REDUCING PIPE TO PIPE JOINT,DN65-DN60, PRESS	238	60	58
51221070101	51221070105	51221070102	51221070106	REDUCING PIPE TO PIPE JOINT,DN80-DN20, PRESS	204.5	70	24
51221070201	51221070205	51221070202	51221070206	REDUCING PIPE TO PIPE JOINT,DN80-DN25, PRESS	211	70	28
51221070301	51221070305	51221070302	51221070306	REDUCING PIPE TO PIPE JOINT,DN80-DN32, PRESS	218.5	70	35
51221070401	51221070405	51221070402	51221070406	REDUCING PIPE TO PIPE JOINT,DN80-DN40, PRESS	229	70	42.5
51221070501	51221070505	51221070502	51221070506	REDUCING PIPE TO PIPE JOINT,DN80-DN50, PRESS	235.5	70	48.5
51221070601	51221070605	51221070602	51221070606	REDUCING PIPE TO PIPE JOINT,DN80-DN60, PRESS	249	70	58
51221071401	51221071405	51221071402	51221071406	REDUCING PIPE TO PIPE JOINT,DN80-DN65, PRESS	252	70	60
51221080201	51221080205	51221080202	51221080206	REDUCING PIPE TO PIPE JOINT,DN100-DN25, PRESS	234	82	28
51221080301	51221080305	51221080302	51221080306	REDUCING PIPE TO PIPE JOINT,DN100-DN32, PRESS	241.5	82	35
51221080401	51221080405	51221080402	51221080406	REDUCING PIPE TO PIPE JOINT,DN100-DN40, PRESS	252	82	42.5
51221080501	51221080505	51221080502	51221080506	REDUCING PIPE TO PIPE JOINT,DN100-DN50, PRESS	258.5	82	48.5
51221080601	51221080605	51221080602	51221080606	REDUCING PIPE TO PIPE JOINT,DN100-DN60, PRESS	272	82	58
51221081401	51221081405	51221081402	51221081406	REDUCING PIPE TO PIPE JOINT,DN100-DN65, PRESS	275	82	60
51221080701	51221080705	51221080702	51221080706	REDUCING PIPE TO PIPE JOINT,DN100-DN80, PRESS	281	82	70
51221090601	51221090605	51221090602	51221090606	REDUCING PIPE TO PIPE JOINT,DN125-DN60, CLAMP-PRESS			
51221091401	51221091405	51221091402	51221091406	REDUCING PIPE TO PIPE JOINT,DN125-DN65, CLAMP-PRESS			
51221090701	51221090705	51221090702	51221090706	REDUCING PIPE TO PIPE JOINT,DN125-DN80, CLAMP-PRESS			
51221090801	51221090805	51221090802	51221090806	REDUCING PIPE TO PIPE JOINT,DN125-DN100, CLAMP-PRESS			
51221100601	51221100605	51221100602	51221100606	REDUCING PIPE TO PIPE JOINT,DN150-DN60, CLAMP-PRESS			
51221101401	51221101405	51221101402	51221101406	REDUCING PIPE TO PIPE JOINT,DN150-DN65, CLAMP-PRESS			
51221100701	51221100705	51221100702	51221100706	REDUCING PIPE TO PIPE JOINT,DN150-DN80, CLAMP-PRESS			
51221100801	51221100805	51221100802	51221100806	REDUCING PIPE TO PIPE JOINT,DN150-DN100, CLAMP-PRESS			
50121100903	50121100904			REDUCING PIPE TO PIPE JOINT,DN150-DN125, CLAMP-CLAMP			
51221110601	51221110605	51221110602	51221110606	REDUCING PIPE TO PIPE JOINT,DN200-DN60, CLAMP-PRESS			
51221111401	51221111405	51221111402	51221111406	REDUCING PIPE TO PIPE JOINT,DN200-DN65, CLAMP-PRESS			
51221110701	51221110705	51221110702	51221110706	REDUCING PIPE TO PIPE JOINT,DN200-DN80, CLAMP-PRESS			
51221110801	51221110805	51221110802	51221110806	REDUCING PIPE TO PIPE JOINT,DN200-DN100, CLAMP-PRESS			
50121111003	50121111004			REDUCING PIPE TO PIPE JOINT,DN200-DN150, CLAMP-CLAMP			
51221120601	51221120605	51221120602	51221120606	REDUCING PIPE TO PIPE JOINT,DN250-DN60, CLAMP-PRESS			
51221121401	51221121405	51221121402	51221121406	REDUCING PIPE TO PIPE JOINT,DN250-DN65, CLAMP-PRESS			
51221120701	51221120705	51221120702	51221120706	REDUCING PIPE TO PIPE JOINT,DN250-DN80, CLAMP-PRESS			
51221120801	51221120805	51221120802	51221120806	REDUCING PIPE TO PIPE JOINT,DN250-DN100, CLAMP-PRESS			
50121121003	50121121004			REDUCING PIPE TO PIPE JOINT,DN250-DN150, CLAMP-CLAMP			
50121121103	50121121104			REDUCING PIPE TO PIPE JOINT,DN250-DN200, CLAMP-CLAMP			

REDUCING PIPE TO PIPE JOINT



NBR		FKM		Description of products	A	C	C1
SS304	SS316	SS304	SS316				
51221010003	51221010007	51221010004	51221010008	REDUCING PIPE TO PIPE JOINT,DN20-DN15, PRESS	68.5	24	21
51221020003	51221020007	51221020004	51221020008	REDUCING PIPE TO PIPE JOINT,DN25-DN15, PRESS	75	28	21
51221020103	51221020107	51221020104	51221020108	REDUCING PIPE TO PIPE JOINT,DN25-DN20, PRESS	79	28	24
51221030003	51221030007	51221030004	51221030008	REDUCING PIPE TO PIPE JOINT,DN32-DN15, PRESS	85	35	21
51221030103	51221030107	51221030104	51221030108	REDUCING PIPE TO PIPE JOINT,DN32-DN20, PRESS	95	35	24
51221030203	51221030207	51221030204	51221030208	REDUCING PIPE TO PIPE JOINT,DN32-DN25, PRESS	94	35	28
51221040003	51221040007	51221040004	51221040008	REDUCING PIPE TO PIPE JOINT,DN40-DN15, PRESS	109	42.5	21
51221040103	51221040107	51221040104	51221040108	REDUCING PIPE TO PIPE JOINT,DN40-DN20, PRESS	112	42.5	24
51221040203	51221040207	51221040204	51221040208	REDUCING PIPE TO PIPE JOINT,DN40-DN25, PRESS	116.5	42.5	28
51221040303	51221040307	51221040304	51221040308	REDUCING PIPE TO PIPE JOINT,DN40-DN32, PRESS	114	42.5	35
51221050003	51221050007	51221050004	51221050008	REDUCING PIPE TO PIPE JOINT,DN50-DN15, PRESS	113.5	48.5	21
51221050103	51221050107	51221050104	51221050108	REDUCING PIPE TO PIPE JOINT,DN50-DN20, PRESS	117	48.5	24
51221050203	51221050207	51221050204	51221050208	REDUCING PIPE TO PIPE JOINT,DN50-DN25, PRESS	123.5	48.5	28
51221050303	51221050307	51221050304	51221050308	REDUCING PIPE TO PIPE JOINT,DN50-DN32, PRESS	131	48.5	35
51221050403	51221050407	51221050404	51221050408	REDUCING PIPE TO PIPE JOINT,DN50-DN40, PRESS	135	48.5	42.5
51221060003	51221060007	51221060004	51221060008	REDUCING PIPE TO PIPE JOINT,DN60-DN15, PRESS	180	58	21
51221060103	51221060107	51221060104	51221060108	REDUCING PIPE TO PIPE JOINT,DN60-DN20, PRESS	182.5	58	24
51221060203	51221060207	51221060204	51221060208	REDUCING PIPE TO PIPE JOINT,DN60-DN25, PRESS	187	58	28
51221060303	51221060307	51221060304	51221060308	REDUCING PIPE TO PIPE JOINT,DN60-DN32, PRESS	195.5	58	35
51221060403	51221060407	51221060404	51221060408	REDUCING PIPE TO PIPE JOINT,DN60-DN40, PRESS	204.5	58	42.5
51221060503	51221060507	51221060504	51221060508	REDUCING PIPE TO PIPE JOINT,DN60-DN50, PRESS	210	58	48.5
51221140103	51221140107	51221140104	51221140108	REDUCING PIPE TO PIPE JOINT,DN65-DN20, PRESS	192.5	60	24
51221140203	51221140207	51221140204	51221140208	REDUCING PIPE TO PIPE JOINT,DN65-DN25, PRESS	200	60	28
51221140303	51221140307	51221140304	51221140308	REDUCING PIPE TO PIPE JOINT,DN65-DN32, PRESS	207.5	60	35
51221140403	51221140407	51221140404	51221140408	REDUCING PIPE TO PIPE JOINT,DN65-DN40, PRESS	218	60	42.5
51221140503	51221140507	51221140504	51221140508	REDUCING PIPE TO PIPE JOINT,DN65-DN50, PRESS	224.5	60	48.5
51221140603	51221140607	51221140604	51221140608	REDUCING PIPE TO PIPE JOINT,DN65-DN60, PRESS	238	60	58
51221070103	51221070107	51221070104	51221070108	REDUCING PIPE TO PIPE JOINT,DN80-DN20, PRESS	204.5	70	24
51221070203	51221070207	51221070204	51221070208	REDUCING PIPE TO PIPE JOINT,DN80-DN25, PRESS	211	70	28
51221070303	51221070307	51221070304	51221070308	REDUCING PIPE TO PIPE JOINT,DN80-DN32, PRESS	218.5	70	35
51221070403	51221070407	51221070404	51221070408	REDUCING PIPE TO PIPE JOINT,DN80-DN40, PRESS	229	70	42.5
51221070503	51221070507	51221070504	51221070508	REDUCING PIPE TO PIPE JOINT,DN80-DN50, PRESS	235.5	70	48.5
51221070603	51221070607	51221070604	51221070608	REDUCING PIPE TO PIPE JOINT,DN80-DN60, PRESS	249	70	58
51221071403	51221071407	51221071404	51221071408	REDUCING PIPE TO PIPE JOINT,DN80-DN65, PRESS	252	70	60
51221080203	51221080207	51221080204	51221080208	REDUCING PIPE TO PIPE JOINT,DN100-DN25, PRESS	234	82	28
51221080303	51221080307	51221080304	51221080308	REDUCING PIPE TO PIPE JOINT,DN100-DN32, PRESS	241.5	82	35
51221080403	51221080407	51221080404	51221080408	REDUCING PIPE TO PIPE JOINT,DN100-DN40, PRESS	252	82	42.5
51221080503	51221080507	51221080504	51221080508	REDUCING PIPE TO PIPE JOINT,DN100-DN50, PRESS	258.5	82	48.5
51221080603	51221080607	51221080604	51221080608	REDUCING PIPE TO PIPE JOINT,DN100-DN60, PRESS	272	82	58
51221081403	51221081407	51221081404	51221081408	REDUCING PIPE TO PIPE JOINT,DN100-DN65, PRESS	275	82	60
51221080703	51221080707	51221080704	51221080708	REDUCING PIPE TO PIPE JOINT,DN100-DN80, PRESS	281	82	70
51221090603	51221090607	51221090604	51221090608	REDUCING PIPE TO PIPE JOINT,DN125-DN60, CLAMP-PRESS			
51221091403	51221091407	51221091404	51221091408	REDUCING PIPE TO PIPE JOINT,DN125-DN65, CLAMP-PRESS			
51221090703	51221090707	51221090704	51221090708	REDUCING PIPE TO PIPE JOINT,DN125-DN80, CLAMP-PRESS			
51221090803	51221090807	51221090804	51221090808	REDUCING PIPE TO PIPE JOINT,DN125-DN100, CLAMP-PRESS			
51221100603	51221100607	51221100604	51221100608	REDUCING PIPE TO PIPE JOINT,DN150-DN60, CLAMP-PRESS			
51221101403	51221101407	51221101404	51221101408	REDUCING PIPE TO PIPE JOINT,DN150-DN65, CLAMP-PRESS			
51221100703	51221100707	51221100704	51221100708	REDUCING PIPE TO PIPE JOINT,DN150-DN80, CLAMP-PRESS			
51221100803	51221100807	51221100804	51221100808	REDUCING PIPE TO PIPE JOINT,DN150-DN100, CLAMP-PRESS			
51221110603	51221110607	51221110604	51221110608	REDUCING PIPE TO PIPE JOINT,DN200-DN60, CLAMP-PRESS			
51221111403	51221111407	51221111404	51221111408	REDUCING PIPE TO PIPE JOINT,DN200-DN65, CLAMP-PRESS			
51221110703	51221110707	51221110704	51221110708	REDUCING PIPE TO PIPE JOINT,DN200-DN80, CLAMP-PRESS			
51221110803	51221110807	51221110804	51221110808	REDUCING PIPE TO PIPE JOINT,DN200-DN100, CLAMP-PRESS			
51221120603	51221120607	51221120604	51221120608	REDUCING PIPE TO PIPE JOINT,DN250-DN60, CLAMP-PRESS			
51221121403	51221121407	51221121404	51221121408	REDUCING PIPE TO PIPE JOINT,DN250-DN65, CLAMP-PRESS			
51221120703	51221120707	51221120704	51221120708	REDUCING PIPE TO PIPE JOINT,DN250-DN80, CLAMP-PRESS			
51221120803	51221120807	51221120804	51221120808	REDUCING PIPE TO PIPE JOINT,DN250-DN100, CLAMP-PRESS			

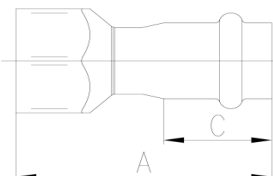
END CAP



EPDM		EPDM (NSF)		Description of products	A	C
SS304	SS316	SS304	SS316			
51206000001	51206000005	51206000002	51206000006	END CAP, DN15, PRESS	36	21
51206010001	51206010005	51206010002	51206010006	END CAP, DN20, PRESS	40	24
51206020001	51206020005	51206020002	51206020006	END CAP, DN25, PRESS	44	28
51206030001	51206030005	51206030002	51206030006	END CAP, DN32, PRESS	60	35
51206040001	51206040005	51206040002	51206040006	END CAP, DN40, PRESS	70	42.5
51206050001	51206050005	51206050002	51206050006	END CAP, DN50, PRESS	75	48.5
51206060001	51206060005	51206060002	51206060006	END CAP, DN60, PRESS	97	58
51206140001	51206140005	51206140002	51206140006	END CAP, DN65, PRESS	108	60
51206070001	51206070005	51206070002	51206070006	END CAP, DN80, PRESS	114	70
51206080001	51206080005	51206080002	51206080006	END CAP, DN100, PRESS	131	82
50106090003	50106090004			END CAP, DN125, CLAMP		
50106100003	50106100004			END CAP, DN150, CLAMP		
50106110003	50106110004			END CAP, DN200, CLAMP		
50106120003	50106120004			END CAP, DN250, CLAMP		

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51206000003	51206000007	51206000004	51206000008	END CAP, DN15, PRESS	36	21
51206010003	51206010007	51206010004	51206010008	END CAP, DN20, PRESS	40	24
51206020003	51206020007	51206020004	51206020008	END CAP, DN25, PRESS	44	28
51206030003	51206030007	51206030004	51206030008	END CAP, DN32, PRESS	60	35
51206040003	51206040007	51206040004	51206040008	END CAP, DN40, PRESS	70	42.5
51206050003	51206050007	51206050004	51206050008	END CAP, DN50, PRESS	75	48.5
51206060003	51206060007	51206060004	51206060008	END CAP, DN60, PRESS	97	58
51206140003	51206140007	51206140004	51206140008	END CAP, DN65, PRESS	108	60
51206070003	51206070007	51206070004	51206070008	END CAP, DN80, PRESS	114	70
51206080003	51206080007	51206080004	51206080008	END CAP, DN100, PRESS	131	82

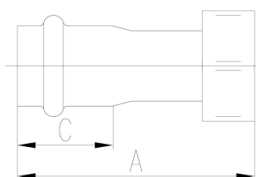
THREAD JOINT FEMALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	C
SS304	SS316	SS304	SS316			
51219000001	51219000005	51219000002	51219000006	THREAD JOINT,PRESS DN15-1/2 FEMALE	50	21
51219000101	51219000105	51219000102	51219000106	THREAD JOINT,PRESS DN15-3/4 FEMALE	51.5	21
51219010001	51219010005	51219010002	51219010006	THREAD JOINT,PRESS DN20-1/2 FEMALE	50.5	24
51219010101	51219010105	51219010102	51219010106	THREAD JOINT,PRESS DN20-3/4 FEMALE	54	24
51219010201	51219010205	51219010202	51219010206	THREAD JOINT,PRESS DN20-1 FEMALE	57	24
51219020001	51219020005	51219020002	51219020006	THREAD JOINT,PRESS DN25-1/2 FEMALE	63.5	28
51219020101	51219020105	51219020102	51219020106	THREAD JOINT,PRESS DN25-3/4 FEMALE	61.5	28
51219020201	51219020205	51219020202	51219020206	THREAD JOINT,PRESS DN25-1 FEMALE	65.5	28
51219020301	51219020305	51219020302	51219020306	THREAD JOINT,PRESS DN25-1 1/4 FEMALE	70	28
51219030201	51219030205	51219030202	51219030206	THREAD JOINT,PRESS DN32-1 FEMALE	74.5	35
51219030301	51219030305	51219030302	51219030306	THREAD JOINT,PRESS DN32-1 1/4 FEMALE	76.5	35
51219030401	51219030405	51219030402	51219030406	THREAD JOINT,PRESS DN32-1 1/2 FEMALE	79.5	35
51219040301	51219040305	51219040302	51219040306	THREAD JOINT,PRESS DN40-1 1/4 FEMALE	87	42.5
51219040401	51219040405	51219040402	51219040406	THREAD JOINT,PRESS DN40-1 1/2 FEMALE	89	42.5
51219050401	51219050405	51219050402	51219050406	THREAD JOINT,PRESS DN50-1 1/2 FEMALE	99.5	48.5
51219050501	51219050505	51219050502	51219050506	THREAD JOINT,PRESS DN50-2 FEMALE	101.5	48.5
51219060601	51219060605	51219060602	51219060606	THREAD JOINT,PRESS DN60-2 1/2 FEMALE	112	58
51219140601	51219140605	51219140602	51219140606	THREAD JOINT,PRESS DN65-2 1/2 FEMALE	115	60
51219070701	51219070705	51219070702	51219070706	THREAD JOINT,PRESS DN80-3 FEMALE	126	70

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51219000003	51219000007	51219000004	51219000008	THREAD JOINT,PRESS DN15-1/2 FEMALE	50	21
51219000103	51219000107	51219000104	51219000108	THREAD JOINT,PRESS DN15-3/4 FEMALE	51.5	21
51219010003	51219010007	51219010004	51219010008	THREAD JOINT,PRESS DN20-1/2 FEMALE	50.5	24
51219010103	51219010107	51219010104	51219010108	THREAD JOINT,PRESS DN20-3/4 FEMALE	54	24
51219010203	51219010207	51219010204	51219010208	THREAD JOINT,PRESS DN20-1 FEMALE	57	24
51219020003	51219020007	51219020004	51219020008	THREAD JOINT,PRESS DN25-1/2 FEMALE	63.5	28
51219020103	51219020107	51219020104	51219020108	THREAD JOINT,PRESS DN25-3/4 FEMALE	61.5	28
51219020203	51219020207	51219020204	51219020208	THREAD JOINT,PRESS DN25-1 FEMALE	65.5	28
51219020303	51219020307	51219020304	51219020308	THREAD JOINT,PRESS DN25-1 1/4 FEMALE	70	28
51219030203	51219030207	51219030204	51219030208	THREAD JOINT,PRESS DN32-1 FEMALE	74.5	35
51219030303	51219030307	51219030304	51219030308	THREAD JOINT,PRESS DN32-1 1/4 FEMALE	76.5	35
51219030403	51219030407	51219030404	51219030408	THREAD JOINT,PRESS DN32-1 1/2 FEMALE	79.5	35
51219040303	51219040307	51219040304	51219040308	THREAD JOINT,PRESS DN40-1 1/4 FEMALE	87	42.5
51219040403	51219040407	51219040404	51219040408	THREAD JOINT,PRESS DN40-1 1/2 FEMALE	89	42.5
51219050403	51219050407	51219050404	51219050408	THREAD JOINT,PRESS DN50-1 1/2 FEMALE	99.5	48.5
51219050503	51219050507	51219050504	51219050508	THREAD JOINT,PRESS DN50-2 FEMALE	101.5	48.5
51219060603	51219060607	51219060604	51219060608	THREAD JOINT,PRESS DN60-2 1/2 FEMALE	112	58
51219140603	51219140607	51219140604	51219140608	THREAD JOINT,PRESS DN65-2 1/2 FEMALE	115	60
51219070703	51219070707	51219070704	51219070708	THREAD JOINT,PRESS DN80-3 FEMALE	126	70

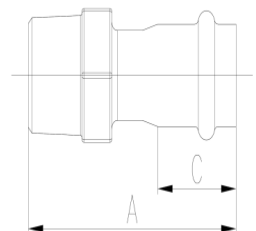
UNION FEMALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	C
SS304	SS316	SS304	SS316			
51250000001	51250000005	51250000002	51250000006	UNION FEMALE,PRESS DN15-1/2 FEMALE	52.5	21
51250010101	51250010105	51250010102	51250010106	UNION FEMALE,PRESS DN20-3/4 FEMALE	56	24
51250020201	51250020205	51250020202	51250020206	UNION FEMALE,PRESS DN25-1 FEMALE	64.5	28
51250030301	51250030305	51250030302	51250030306	UNION FEMALE,PRESS DN32-1 1/4 FEMALE	77	35
51250040401	51250040405	51250040402	51250040406	UNION FEMALE,PRESS DN40-1 1/2 FEMALE	87	42.5
51250050501	51250050505	51250050502	51250050506	UNION FEMALE,PRESS DN50-2 FEMALE	96	48.5

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51250000003	51250000007	51250000004	51250000008	UNION FEMALE,PRESS DN15-1/2 FEMALE	52.5	21
51250010103	51250010107	51250010104	51250010108	UNION FEMALE,PRESS DN20-3/4 FEMALE	56	24
51250020203	51250020207	51250020204	51250020208	UNION FEMALE,PRESS DN25-1 FEMALE	64.5	28
51250030303	51250030307	51250030304	51250030308	UNION FEMALE,PRESS DN32-1 1/4 FEMALE	77	35
51250040403	51250040407	51250040404	51250040408	UNION FEMALE,PRESS DN40-1 1/2 FEMALE	87	42.5
51250050503	51250050507	51250050504	51250050508	UNION FEMALE,PRESS DN50-2 FEMALE	96	48.5

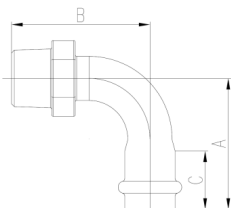
THREAD JOINT MALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	C
SS304	SS316	SS304	SS316			
51217000001	51217000005	51217000002	51217000006	THREAD JOINT,PRESS DN15-1/2 MALE	56	21
51217000101	51217000105	51217000102	51217000106	THREAD JOINT,PRESS DN15-3/4 MALE	57.5	21
51217010001	51217010005	51217010002	51217010006	THREAD JOINT,PRESS DN20-1/2 MALE	58.5	24
51217010101	51217010105	51217010102	51217010106	THREAD JOINT,PRESS DN20-3/4 MALE	61	24
51217010201	51217010205	51217010202	51217010206	THREAD JOINT,PRESS DN20-1 MALE	65.5	24
51217020001	51217020005	51217020002	51217020006	THREAD JOINT,PRESS DN25-1/2 MALE	72	28
51217020101	51217020105	51217020102	51217020106	THREAD JOINT,PRESS DN25-3/4 MALE	66.5	28
51217020201	51217020205	51217020202	51217020206	THREAD JOINT,PRESS DN25-1 MALE	72	28
51217020301	51217020305	51217020302	51217020306	THREAD JOINT,PRESS DN25-1 1/4 MALE	79	28
51217030201	51217030205	51217030202	51217030206	THREAD JOINT,PRESS DN32-1 MALE	85	35
51217030301	51217030305	51217030302	51217030306	THREAD JOINT,PRESS DN32-1 1/2 MALE	96	35
51217030401	51217030405	51217030402	51217030406	THREAD JOINT,PRESS DN32-1 1/2 MALE	100	35
51217040301	51217040305	51217040302	51217040306	THREAD JOINT,PRESS DN40-1 1/4 MALE	99	42.5
51217040401	51217040405	51217040402	51217040406	THREAD JOINT,PRESS DN40-1 1/2 MALE	107	42.5
51217050401	51217050405	51217050402	51217050406	THREAD JOINT,PRESS DN50-1 1/2 MALE	99.5	48.5
51217050501	51217050505	51217050502	51217050506	THREAD JOINT,PRESS DN50-2 MALE	121.5	48.5
51217060601	51217060605	51217060602	51217060606	THREAD JOINT,PRESS DN60-2 1/2 MALE	122	58
51217140601	51217140605	51217140602	51217140606	THREAD JOINT,PRESS DN65-2 1/2 MALE	125	60
51217070701	51217070705	51217070702	51217070706	THREAD JOINT,PRESS DN80-3 MALE	134	70

NBR		FKM		Description of products	A	C
SS304	SS316	SS304	SS316			
51217000003	51217000007	51217000004	51217000008	THREAD JOINT,PRESS DN15-1/2 MALE	56	21
51217000103	51217000107	51217000104	51217000108	THREAD JOINT,PRESS DN15-3/4 MALE	57.5	21
51217010003	51217010007	51217010004	51217010008	THREAD JOINT,PRESS DN20-1/2 MALE	58.5	24
51217010103	51217010107	51217010104	51217010108	THREAD JOINT,PRESS DN20-3/4 MALE	61	24
51217010203	51217010207	51217010204	51217010208	THREAD JOINT,PRESS DN20-1 MALE	65.5	24
51217020003	51217020007	51217020004	51217020008	THREAD JOINT,PRESS DN25-1/2 MALE	72	28
51217020103	51217020107	51217020104	51217020108	THREAD JOINT,PRESS DN25-3/4 MALE	66.5	28
51217020203	51217020207	51217020204	51217020208	THREAD JOINT,PRESS DN25-1 MALE	72	28
51217020303	51217020307	51217020304	51217020308	THREAD JOINT,PRESS DN25-1 1/4 MALE	79	28
51217030203	51217030207	51217030204	51217030208	THREAD JOINT,PRESS DN32-1 MALE	85	35
51217030303	51217030307	51217030304	51217030308	THREAD JOINT,PRESS DN32-1 1/4 MALE	96	35
51217030403	51217030407	51217030404	51217030408	THREAD JOINT,PRESS DN32-1 1/2 MALE	100	35
51217040303	51217040307	51217040304	51217040308	THREAD JOINT,PRESS DN40-1 1/4 MALE	99	42.5
51217040403	51217040407	51217040404	51217040408	THREAD JOINT,PRESS DN40-1 1/2 MALE	107	42.5
51217050403	51217050407	51217050404	51217050408	THREAD JOINT,PRESS DN50-1 1/2 MALE	99.5	48.5
51217050503	51217050507	51217050504	51217050508	THREAD JOINT,PRESS DN50-2 MALE	121.5	48.5
51217060603	51217060607	51217060604	51217060608	THREAD JOINT,PRESS DN60-2 1/2 MALE	122	58
51217140603	51217140607	51217140604	51217140608	THREAD JOINT,PRESS DN65-2 1/2 MALE	125	60
51217070703	51217070707	51217070704	51217070708	THREAD JOINT,PRESS DN80-3 MALE	134	70

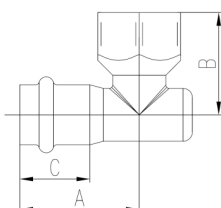
90° ELBOW MALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51215000001	51215000005	51215000002	51215000006	90° ELBOW, PRESS DN15-1/2 MALE	47.5	50	21
51215010001	51215010005	51215010002	51215010006	90° ELBOW, PRESS DN20-1/2 MALE	59	55	24
51215010101	51215010105	51215010102	51215010106	90° ELBOW, PRESS DN20-3/4 MALE	59	56.5	24
51215020101	51215020105	51215020102	51215020106	90° ELBOW, PRESS DN25-3/4 MALE	71.5	64	28
51215020201	51215020205	51215020202	51215020206	90° ELBOW, PRESS DN25-1 MALE	71.5	69.5	28
51215030201	51215030205	51215030202	51215030206	90° ELBOW, PRESS DN32-1 MALE	84	77	35
51215030301	51215030305	51215030302	51215030306	90° ELBOW, PRESS DN32-1 1/4 MALE	84	83	35
51215040301	51215040305	51215040302	51215040306	90° ELBOW, PRESS DN40-1 1/4 MALE	107	96	42.5
51215040401	51215040405	51215040402	51215040406	90° ELBOW, PRESS DN40-1 1/2 MALE	107	98	42.5
51215050401	51215050405	51215050402	51215050406	90° ELBOW, PRESS DN50-1 1/2 MALE	129.5	114	48.5
51215050501	51215050505	51215050502	51215050506	90° ELBOW, PRESS DN50-2 MALE	129.5	119	48.5

NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51215000003	51215000007	51215000004	51215000008	90° ELBOW, PRESS DN15-1/2 MALE	47.5	50	21
51215010003	51215010007	51215010004	51215010008	90° ELBOW, PRESS DN20-1/2 MALE	59	55	24
51215010103	51215010107	51215010104	51215010108	90° ELBOW, PRESS DN20-3/4 MALE	59	56.5	24
51215020103	51215020107	51215020104	51215020108	90° ELBOW, PRESS DN25-3/4 MALE	71.5	64	28
51215020203	51215020207	51215020204	51215020208	90° ELBOW, PRESS DN25-1 MALE	71.5	69.5	28
51215030203	51215030207	51215030204	51215030208	90° ELBOW, PRESS DN32-1 MALE	84	77	35
51215030303	51215030307	51215030304	51215030308	90° ELBOW, PRESS DN32-1 1/4 MALE	84	83	35
51215040303	51215040307	51215040304	51215040308	90° ELBOW, PRESS DN40-1 1/4 MALE	107	96	42.5
51215040403	51215040407	51215040404	51215040408	90° ELBOW, PRESS DN40-1 1/2 MALE	107	98	42.5
51215050403	51215050407	51215050404	51215050408	90° ELBOW, PRESS DN50-1 1/2 MALE	129.5	114	48.5
51215050503	51215050507	51215050504	51215050508	90° ELBOW, PRESS DN50-2 MALE	129.5	119	48.5

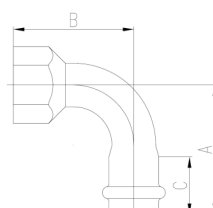
SHORT 90° ELBOW FEMALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51269000001	51269000005	51269000002	51269000006	SHORT ELBOW,PRESS DN15-1/2 FEMALE	36	31	21
51269010001	51269010005	51269010002	51269010006	SHORT ELBOW,PRESS DN20-1/2 FEMALE	39.5	33	24
51269010101	51269010105	51269010102	51269010106	SHORT ELBOW,PRESS DN20-3/4 FEMALE	41.5	34.5	24
51269020101	51269020105	51269020102	51269020106	SHORT ELBOW,PRESS DN25-3/4 FEMALE	51	37	28
51269020201	51269020205	51269020202	51269020206	SHORT ELBOW,PRESS DN25-1 FEMALE	51	40	28
51269030201	51269030205	51269030202	51269030206	SHORT ELBOW,PRESS DN32-1 FEMALE	61.5	43	35
51269030301	51269030305	51269030302	51269030306	SHORT ELBOW,PRESS DN32-1 1/4 FEMALE	61.5	49	35

NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51269000003	51269000007	51269000004	51269000008	SHORT ELBOW,PRESS DN15-1/2 FEMALE	36	31	21
51269010003	51269010007	51269010004	51269010008	SHORT ELBOW,PRESS DN20-1/2 FEMALE	39.5	33	24
51269010103	51269010107	51269010104	51269010108	SHORT ELBOW,PRESS DN20-3/4 FEMALE	41.5	34.5	24
51269020103	51269020107	51269020104	51269020108	SHORT ELBOW,PRESS DN25-3/4 FEMALE	51	37	28
51269020203	51269020207	51269020204	51269020208	SHORT ELBOW,PRESS DN25-1 FEMALE	51	40	28
51269030203	51269030207	51269030204	51269030208	SHORT ELBOW,PRESS DN32-1 FEMALE	61.5	43	35
51269030303	51269030307	51269030304	51269030308	SHORT ELBOW,PRESS DN32-1 1/4 FEMALE	61.5	49	35

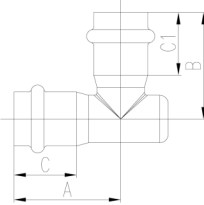
90° ELBOW FEMALE (BSP)



EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51213000001	51213000005	51213000002	51213000006	90° ELBOW, PRESS DN15-1/2 FEMALE	47.5	44	21
51213010001	51213010005	51213010002	51213010006	90° ELBOW, PRESS DN20-1/2 FEMALE	59	47	24
51213010101	51213010105	51213010102	51213010106	90° ELBOW, PRESS DN20-3/4 FEMALE	59	50.5	24
51213020101	51213020105	51213020102	51213020106	90° ELBOW, PRESS DN25-3/4 FEMALE	71.5	56.5	28
51213020201	51213020205	51213020202	51213020206	90° ELBOW, PRESS DN25-1 FEMALE	71.5	60.5	28
51213030201	51213030205	51213030202	51213030206	90° ELBOW, PRESS DN32-1 FEMALE	84	73	35
51213030301	51213030305	51213030302	51213030306	90° ELBOW, PRESS DN32-1 1/4 FEMALE	84	75	35
51213040401	51213040405	51213040402	51213040406	90° ELBOW, PRESS DN40-1 1/2 FEMALE	107	90	42.5
51213050501	51213050505	51213050502	51213050506	90° ELBOW, PRESS DN50-2 FEMALE	129.5	114	48.5

NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51213000003	51213000007	51213000004	51213000008	90° ELBOW, PRESS DN15-1/2 FEMALE	47.5	44	21
51213010003	51213010007	51213010004	51213010008	90° ELBOW, PRESS DN20-1/2 FEMALE	59	47	24
51213010103	51213010107	51213010104	51213010108	90° ELBOW, PRESS DN20-3/4 FEMALE	59	50.5	24
51213020103	51213020107	51213020104	51213020108	90° ELBOW, PRESS DN25-3/4 FEMALE	71.5	56.5	28
51213020203	51213020207	51213020204	51213020208	90° ELBOW, PRESS DN25-1 FEMALE	71.5	60.5	28
51213030203	51213030207	51213030204	51213030208	90° ELBOW, PRESS DN32-1 FEMALE	84	73	35
51213030303	51213030307	51213030304	51213030308	90° ELBOW, PRESS DN32-1 1/4 FEMALE	84	75	35
51213040403	51213040407	51213040404	51213040408	90° ELBOW, PRESS DN40-1 1/2 FEMALE	107	90	42.5
51213050503	51213050507	51213050504	51213050508	90° ELBOW, PRESS DN50-2 FEMALE	129.5	114	48.5

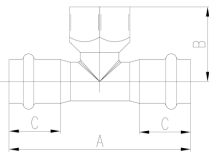
SHORT ELBOW



EPDM		EPDM (NSF)		Description of products	A	B	C	C1
SS304	SS316	SS304	SS316					
51263000001	51263000005	51263000002	51263000006	SHORT ELBOW, DN15, PRESS SHORT	36	36	21	21
51263010001	51263010005	51263010002	51263010006	ELBOW, DN20-DN15, PRESS SHORT	41.5	41.5	24	24
51263010101	51263010105	51263010102	51263010106	ELBOW, DN20, PRESS SHORT	41.5	39	24	21
51263020101	51263020105	51263020102	51263020106	ELBOW, DN25-DN20, PRESS SHORT	51	51	28	28
51263020201	51263020205	51263020202	51263020206	ELBOW, DN25, PRESS SHORT	51	44	28	24
51263030201	51263030205	51263030202	51263030206	ELBOW, DN32-DN25, PRESS SHORT	61.5	61.5	35	35
51263030301	51263030305	51263030302	51263030306	ELBOW, DN32, PRESS	61.5	54	35	28

NBR		FKM		Description of products	A	B	C	C1
SS304	SS316	SS304	SS316					
51263000003	51263000007	51263000004	51263000008	SHORT ELBOW, DN15, PRESS SHORT	36	36	21	21
51263010003	51263010007	51263010004	51263010008	ELBOW, DN20-DN15, PRESS SHORT	41.5	41.5	24	24
51263010103	51263010107	51263010104	51263010108	ELBOW, DN20, PRESS SHORT	41.5	39	24	21
51263020103	51263020107	51263020104	51263020108	ELBOW, DN25-DN20, PRESS SHORT	51	51	28	28
51263020203	51263020207	51263020204	51263020208	ELBOW, DN25, PRESS SHORT	51	44	28	24
51263030203	51263030207	51263030204	51263030208	ELBOW, DN32-DN25, PRESS SHORT	61.5	61.5	35	35
51263030303	51263030307	51263030304	51263030308	ELBOW, DN32, PRESS	61.5	54	35	28

SHORT THREAD TEE FEMALE



EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51267000001	51267000005	51267000002	51267000006	SHORT THREAD TEE,PRESS DN15-1/2 FEMALE	75	31	21
51267010001	51267010005	51267010002	51267010006	SHORT THREAD TEE,PRESS DN20-1/2 FEMALE	90	33	24
51267010101	51267010105	51267010102	51267010106	SHORT THREAD TEE,PRESS DN20-3/4 FEMALE	90	34.5	24
51267020101	51267020105	51267020102	51267020106	SHORT THREAD TEE,PRESS DN25-3/4 FEMALE	108	37	28
51267020201	51267020205	51267020202	51267020206	SHORT THREAD TEE,PRESS DN25-1 FEMALE	108	40	28
51267030201	51267030205	51267030202	51267030206	SHORT THREAD TEE,PRESS DN32-1 FEMALE	130	43	35
51267030301	51267030305	51267030302	51267030306	SHORT THREAD TEE,PRESS DN32-1 1/4 FEMALE	130	49	35

NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51267000003	51267000007	51267000004	51267000008	SHORT THREAD TEE,PRESS DN15-1/2 FEMALE	75	31	21
51267010003	51267010007	51267010004	51267010008	SHORT THREAD TEE,PRESS DN20-1/2 FEMALE	90	33	24
51267010103	51267010107	51267010104	51267010108	SHORT THREAD TEE,PRESS DN20-3/4 FEMALE	90	34.5	24
51267020103	51267020107	51267020104	51267020108	SHORT THREAD TEE,PRESS DN25-3/4 FEMALE	108	37	28
51267020203	51267020207	51267020204	51267020208	SHORT THREAD TEE,PRESS DN25-1 FEMALE	108	40	28
51267030203	51267030207	51267030204	51267030208	SHORT THREAD TEE,PRESS DN32-1 FEMALE	130	43	35
51267030303	51267030307	51267030304	51267030308	SHORT THREAD TEE,PRESS DN32-1 1/4 FEMALE	130	49	35

SWING CHECK VALVE

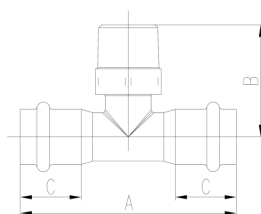


SS304	SS316	Description of products
12080040101	12080040102	
12080050101	12080050102	SWING CHECK VALVE, 1 1/2 - 1 1/2, FEMALE-FEMALE
* NEED TWO MALE THREAD JOINTS		SWING CHECK VALVE, 2 - 2, FEMALE-FEMALE
12080060101	12080060102	SWING CHECK VALVE, FLANGE DN60
12080140101	12080140102	SWING CHECK VALVE, FLANGE DN65
12080070101	12080070102	SWING CHECK VALVE, FLANGE DN80
12080080101	12080080102	SWING CHECK VALVE, FLANGE DN100
12080090101	12080090102	SWING CHECK VALVE, FLANGE DN125
12080100101	12080100102	SWING CHECK VALVE, FLANGE DN150
12080110101	12080110102	SWING CHECK VALVE, FLANGE DN200
12080120101	12080120102	SWING CHECK VALVE, FLANGE DN250
* NEED TWO FLANGE JOINTS		

SHORT THREAD TEE MALE

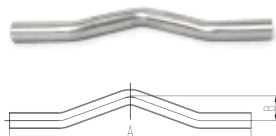


EPDM		EPDM (NSF)		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51265000001	51265000005	51265000002	51265000006	SHORT THREAD TEE,PRESS DN15-1/2 MALE	75	37	21
51265010001	51265010005	51265010002	51265010006	SHORT THREAD TEE,PRESS DN20-1/2 MALE	90	39	24
51265010101	51265010105	51265010102	51265010106	SHORT THREAD TEE,PRESS DN20-3/4 MALE	90	40.5	24
51265020001	51265020005	51265020002	51265020006	SHORT THREAD TEE,PRESS DN25-1/2 MALE	108	42	28
51265020101	51265020105	51265020102	51265020106	SHORT THREAD TEE,PRESS DN25-3/4 MALE	108	43	28
51265020201	51265020205	51265020202	51265020206	SHORT THREAD TEE,PRESS DN25-1 MALE	108	49	28
51265030001	51265030005	51265030002	51265030006	SHORT THREAD TEE,PRESS DN32-1/2 MALE	130	45	35
51265030101	51265030105	51265030102	51265030106	SHORT THREAD TEE,PRESS DN32-3/4 MALE	130	46.5	35
51265030201	51265030205	51265030202	51265030206	SHORT THREAD TEE,PRESS DN32-1 MALE	130	52	35
51265030301	51265030305	51265030302	51265030306	SHORT THREAD TEE,PRESS DN32-1 1/4 MALE	130	57	35
51265040001	51265040005	51265040002	51265040006	SHORT THREAD TEE,PRESS DN40-1/2 MALE	164	49	42.5
51265040101	51265040105	51265040102	51265040106	SHORT THREAD TEE,PRESS DN40-3/4 MALE	164	50.5	42.5
51265040201	51265040205	51265040202	51265040206	SHORT THREAD TEE,PRESS DN40-1 MALE	164	56	42.5
51265040301	51265040305	51265040302	51265040306	SHORT THREAD TEE,PRESS DN40-1 1/4 MALE	164	61	42.5
51265040401	51265040405	51265040402	51265040406	SHORT THREAD TEE,PRESS DN40-1 1/2 MALE	164	59	42.5
51265050001	51265050005	51265050002	51265050006	SHORT THREAD TEE,PRESS DN50-1/2 MALE	187	55	48.5
51265050101	51265050105	51265050102	51265050106	SHORT THREAD TEE,PRESS DN50-3/4 MALE	187	57	48.5
51265050201	51265050205	51265050202	51265050206	SHORT THREAD TEE,PRESS DN50-1 MALE	187	62	48.5
51265050301	51265050305	51265050302	51265050306	SHORT THREAD TEE,PRESS DN50-1 1/4 MALE	187	67	48.5
51265050401	51265050405	51265050402	51265050406	SHORT THREAD TEE,PRESS DN50-1 1/2 MALE	187	65	48.5
51265050501	51265050505	51265050502	51265050506	SHORT THREAD TEE,PRESS DN50-2 MALE	187	70	48.5



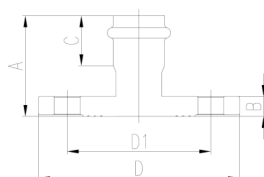
NBR		FKM		Description of products	A	B	C
SS304	SS316	SS304	SS316				
51265000003	51265000007	51265000004	51265000008	SHORT THREAD TEE,PRESS DN15-1/2 MALE	75	37	21
51265010003	51265010007	51265010004	51265010008	SHORT THREAD TEE,PRESS DN20-1/2 MALE	90	39	24
51265010103	51265010107	51265010104	51265010108	SHORT THREAD TEE,PRESS DN20-3/4 MALE	90	40.5	24
51265020003	51265020007	51265020004	51265020008	SHORT THREAD TEE,PRESS DN25-1/2 MALE	108	42	28
51265020103	51265020107	51265020104	51265020108	SHORT THREAD TEE,PRESS DN25-3/4 MALE	108	43	28
51265020203	51265020207	51265020204	51265020208	SHORT THREAD TEE,PRESS DN25-1 MALE	108	49	28
51265030003	51265030007	51265030004	51265030008	SHORT THREAD TEE,PRESS DN32-1/2 MALE	130	45	35
51265030103	51265030107	51265030104	51265030108	SHORT THREAD TEE,PRESS DN32-3/4 MALE	130	46.5	35
51265030203	51265030207	51265030204	51265030208	SHORT THREAD TEE,PRESS DN32-1 MALE	130	52	35
51265030303	51265030307	51265030304	51265030308	SHORT THREAD TEE,PRESS DN32-1 1/4 MALE	130	57	35
51265040003	51265040007	51265040004	51265040008	SHORT THREAD TEE,PRESS DN40-1/2 MALE	164	49	42.5
51265040103	51265040107	51265040104	51265040108	SHORT THREAD TEE,PRESS DN40-3/4 MALE	164	50.5	42.5
51265040203	51265040207	51265040204	51265040208	SHORT THREAD TEE,PRESS DN40-1 MALE	164	56	42.5
51265040303	51265040307	51265040304	51265040308	SHORT THREAD TEE,PRESS DN40-1 1/4 MALE	164	61	42.5
51265040403	51265040407	51265040404	51265040408	SHORT THREAD TEE,PRESS DN40-1 1/2 MALE	164	59	42.5
51265050003	51265050007	51265050004	51265050008	SHORT THREAD TEE,PRESS DN50-1/2 MALE	187	55	48.5
51265050103	51265050107	51265050104	51265050108	SHORT THREAD TEE,PRESS DN50-3/4 MALE	187	57	48.5
51265050203	51265050207	51265050204	51265050208	SHORT THREAD TEE,PRESS DN50-1 MALE	187	62	48.5
51265050303	51265050307	51265050304	51265050308	SHORT THREAD TEE,PRESS DN50-1 1/4 MALE	187	67	48.5
51265050403	51265050407	51265050404	51265050408	SHORT THREAD TEE,PRESS DN50-1 1/2 MALE	187	65	48.5
51265050503	51265050507	51265050504	51265050508	SHORT THREAD TEE,PRESS DN50-2 MALE	187	70	48.5

PIPE BRIDGE



EPDM		Description of products	A	B
SS304	SS316			
50101000001	50101000002	PIPE BRIDGE,DN15	242	23
50101010001	50101010002	PIPE BRIDGE,DN20	270	31
50101020001	50101020002	PIPE BRIDGE,DN25	320	38
50101030001	50101030002	PIPE BRIDGE,DN32	437	44

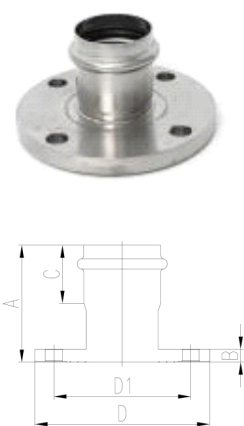
FLANGE JOINT



EPDM		EPDM (NSF)		Description of products	A	B	C	D	D1
SS304	SS316	SS304	SS316						
51270030001	51270030005	51270030002	51270030006	FLANGE JOINT,DN32,PRESS	69	16	35	115	89
51270040001	51270040005	51270040002	51270040006	FLANGE JOINT,DN40,PRESS	85	18	42.5	125	98
51270050001	51270050005	51270050002	51270050006	FLANGE JOINT,DN50,PRESS	100	20	48.5	150	121
51270060001	51270060005	51270060002	51270060006	FLANGE JOINT,DN60,PRESS	117	24	58	180	140
51270140001	51270140005	51270140002	51270140006	FLANGE JOINT,DN65,PRESS	126	24	60	180	140
51270070001	51270070005	51270070002	51270070006	FLANGE JOINT,DN80,PRESS	138.5	24	70	190	152
51270080001	51270080005	51270080002	51270080006	FLANGE JOINT,DN100,PRESS	159	24	82	230	190.5
50170090003	50170090004			FLANGE JOINT,DN125,CLAMP					
50170100003	50170100004			FLANGE JOINT,DN150,CLAMP					
50170110003	50170110004			FLANGE JOINT,DN200,CLAMP					
50170120003	50170120004			FLANGE JOINT,DN250,CLAMP					

NBR		FKM		Description of products	A	B	C	D	D1
SS304	SS316	SS304	SS316						
51270030003	51270030007	51270030004	51270030008	FLANGE JOINT,DN32,PRESS	69	16	35	115	89
51270040003	51270040007	51270040004	51270040008	FLANGE JOINT,DN40,PRESS	85	18	42.5	125	98
51270050003	51270050007	51270050004	51270050008	FLANGE JOINT,DN50,PRESS	100	20	48.5	150	121
51270060003	51270060007	51270060004	51270060008	FLANGE JOINT,DN60,PRESS	117	24	58	180	140
51270140003	51270140007	51270140004	51270140008	FLANGE JOINT,DN65,PRESS	126	24	60	180	140
51270070003	51270070007	51270070004	51270070008	FLANGE JOINT,DN80,PRESS	138.5	24	70	190	152
51270080003	51270080007	51270080004	51270080008	FLANGE JOINT,DN100,PRESS	159	24	82	230	190.5

REDUCING FLANGE JOINT



EPDM		EPDM (NSF)		Description of products	A	B	C	D	D1
SS304	SS316	SS304	SS316						
51271060501	51271060505	51271060502	51271060506	REDUCING FLANGE JOINT, FLANGE DN60-DN50 PIPE, PRESS	100.5	24	48.5	180	140
51271061401	51271061405	51271061402	51271061406	REDUCING FLANGE JOINT, FLANGE DN60-DN65 PIPE, PRESS	126	24	60	180	140
51271140601	51271140605	51271140602	51271140606	REDUCING FLANGE JOINT, FLANGE DN65-DN80 PIPE, PRESS	117	24	58	180	140
51271140701	51271140705	51271140702	51271140706	REDUCING FLANGE JOINT, FLANGE DN65-DN80 PIPE, PRESS	138	24	70	180	140
51271071401	51271071405	51271071402	51271071406	REDUCING FLANGE JOINT, FLANGE DN80-DN65 PIPE, PRESS	126	24	60	190	152
51271070801	51271070805	51271070802	51271070806	REDUCING FLANGE JOINT, FLANGE DN80-DN100 PIPE, PRESS	159	24	82	190	152
51271080701	51271080705	51271080702	51271080706	REDUCING FLANGE JOINT, FLANGE DN100-DN80 PIPE, PRESS	138.5	24	70	230	190.5
50171080903	50171080904			REDUCING FLANGE JOINT, FLANGE DN100-DN125 PIPE, CLAMP					
51271090801	51271090805	51271090802	51271090806	REDUCING FLANGE JOINT, FLANGE DN125-DN100 PIPE, PRESS	159	24	80	255	216
50171091003	50171091004			REDUCING FLANGE JOINT, FLANGE DN125-DN150 PIPE, CLAMP					
50171100903	50171100904			REDUCING FLANGE JOINT, FLANGE DN150-DN125 PIPE, CLAMP					
50171111003	50171111004			REDUCING FLANGE JOINT, FLANGE DN200-DN150 PIPE, CLAMP					
50171121103	50171121104			REDUCING FLANGE JOINT, FLANGE DN250-DN200 PIPE, CLAMP					

NBR		FKM		Description of products	A	B	C	D	D1
SS304	SS316	SS304	SS316						
51271060503	51271060507	51271060504	51271060508	REDUCING FLANGE JOINT, FLANGE DN60-DN50 PIPE, PRESS	100.5	24	48.5	180	140
51271061403	51271061407	51271061404	51271061408	REDUCING FLANGE JOINT, FLANGE DN60-DN65 PIPE, PRESS	126	24	60	180	140
51271140603	51271140607	51271140604	51271140608	REDUCING FLANGE JOINT, FLANGE DN65-DN80 PIPE, PRESS	117	24	58	180	140
51271140703	51271140707	51271140704	51271140708	REDUCING FLANGE JOINT, FLANGE DN65-DN80 PIPE, PRESS	138	24	70	180	140
51271071403	51271071407	51271071404	51271071408	REDUCING FLANGE JOINT, FLANGE DN80-DN65 PIPE, PRESS	126	24	60	190	152
51271070803	51271070807	51271070804	51271070808	REDUCING FLANGE JOINT, FLANGE DN80-DN100 PIPE, PRESS	159	24	82	190	152
51271080703	51271080707	51271080704	51271080708	REDUCING FLANGE JOINT, FLANGE DN100-DN80 PIPE, PRESS	138.5	24	70	230	190.5
51271090803	51271090807	51271090804	51271090808	REDUCING FLANGE JOINT, FLANGE DN125-DN100 PIPE, PRESS	159	24	80	255	216

BALL VALVE FEMALE * FEMALE (BSP)



SS304	SS316	Description of products
50475000001	50475000002	BALL VALVE, 1/2 FEMALE-FEMALE
50475010001	50475010002	BALL VALVE, 3/4 FEMALE-FEMALE
50475020001	50475020002	BALL VALVE, 1 FEMALE-FEMALE
50475030001	50475030002	BALL VALVE, 1 1/4 FEMALE-FEMALE
50475040001	50475040002	BALL VALVE, 1 1/2 FEMALE-FEMALE
50475050001	50475050002	BALL VALVE, 2 FEMALE-FEMALE

* Valve body seal: PTFE.

* NPT is available.

BALL VALVE MALE * MALE (BSP)



SS304	SS316	Description of products
50475000101	50475000102	BALL VALVE, 1/2 MALE-MALE
50475010101	50475010102	BALL VALVE, 3/4 MALE-MALE
50475020101	50475020102	BALL VALVE, 1 MALE-MALE
50475030101	50475030102	BALL VALVE, 1 1/4 MALE-MALE
50475040101	50475040102	BALL VALVE, 1 1/2 MALE-MALE
50475050101	50475050102	BALL VALVE, 2 MALE-MALE

* Valve body seal: PTFE.

* NPT is available.

BALL VALVE MALE * FEMALE (BSP)



SS304	SS316	Description of products
50475000201	50475000202	BALL VALVE, 1/2 MALE-FEMALE
50475010201	50475010202	BALL VALVE, 3/4 MALE-FEMALE
50475020201	50475020202	BALL VALVE, 1 MALE-FEMALE
50475030201	50475030202	BALL VALVE, 1 1/4 MALE-FEMALE
50475040201	50475040202	BALL VALVE, 1 1/2 MALE-FEMALE
50475050201	50475050202	BALL VALVE, 2 MALE-FEMALE

* Valve body seal: PTFE.

* NPT is available.

CLAMP BUTTERFLY VALVES (SS)



EPDM		EPDM (NSF)		Description of products
SS304	SS316	SS304	SS316	
51251060101	51251060105	51251060102	51251060106	CLAMP BUTTERFLY VALVE, DN60, PRESS CLAMP BUTTERFLY VALVE, DN65, PRESS CLAMP BUTTERFLY VALVE, DN80, PRESS TURBINE BUTTERFLY VALVE, DN100, PRESS TURBINE BUTTERFLY VALVE, DN125, CLAMP TURBINE BUTTERFLY VALVE, DN150, CLAMP TURBINE BUTTERFLY VALVE, DN200, CLAMP TURBINE BUTTERFLY VALVE, DN250, CLAMP
51251140101	51251140105	51251140102	51251140106	
51251070101	51251070105	51251070102	51251070106	
51251080101	51251080105	51251080102	51251080106	
50151090103	50151090104			
50151100103	50151100104			
50151110103	50151110104			
50151120103	50151120104			

NBR		FKM		Description of products
SS304	SS316	SS304	SS316	
51251060103	51251060107	51251060104	51251060108	CLAMP BUTTERFLY VALVE, DN60, PRESS CLAMP BUTTERFLY VALVE, DN65, PRESS CLAMP BUTTERFLY VALVE, DN80, PRESS TURBINE BUTTERFLY VALVE, DN100, PRESS
51251140103	51251140107	51251140104	51251140108	
51251070103	51251070107	51251070104	51251070108	
51251080103	51251080107	51251080104	51251080108	

GATE VALVES



Part Number	Description of Products
12183060001	GATE VALVE(SS304), FLANGE Dn60
12183140001	GATE VALVE(SS304), FLANGE Dn65
12183070001	GATE VALVE(SS304), FLANGE Dn80
12183080001	GATE VALVE(SS304), FLANGE Dn100
12183090001	GATE VALVE(SS304), FLANGE Dn125
12183100001	GATE VALVE(SS304), FLANGE Dn150
12183110001	GATE VALVE(SS304), FLANGE Dn200
12183120001	GATE VALVE(SS304), FLANGE Dn250

* NEED TWO FLANGE JOINTS

Part Number	Description of Products
12185040001	BLOCK VALVE(SS304), 1 1/2 - 1 1/2, FEMALE-FEMALE
12185050001	BLOCK VALVE(SS304), 2 - 2, FEMALE-FEMALE

* NEED TWO MALE THREAD JOINTS

BLOCK VALVES



Part Number	Description of Products
12185060001	BLOCK VALVE(SS304), FLANGE Dn60
12185140001	BLOCK VALVE(SS304), FLANGE Dn65
12185070001	BLOCK VALVE(SS304), FLANGE Dn80
12185080001	BLOCK VALVE(SS304), FLANGE Dn100
12185090001	BLOCK VALVE(SS304), FLANGE Dn125
12185100001	BLOCK VALVE(SS304), FLANGE Dn150
12185110001	BLOCK VALVE(SS304), FLANGE Dn200
12185120001	BLOCK VALVE(SS304), FLANGE DN250

* NEED TWO FLANGE JOINTS

BALL VALVE (BRASS) FEMALE (BSP)



Part Number	Description of products
30173000001	BALL VALVE (BRASS), 1/2-1/2 FEMALE-FEMALE
30173010001	BALL VALVE (BRASS), 3/4-3/4 FEMALE-FEMALE
30173020001	BALL VALVE (BRASS), 1-1 FEMALE-FEMALE
30173030001	BALL VALVE (BRASS), 1 1/4 - 1 1/4 FEMALE-FEMALE
30173040001	BALL VALVE (BRASS), 1 1/2-1 1/2 FEMALE-FEMALE
30173050001	BALL VALVE (BRASS), 2-2 FEMALE-FEMALE

BALL VALVE (BRASS) MALE (BSP)



Part Number	Description of products
30173000101	BALL VALVE (BRASS), 1/2-1/2 MALE-MALE
30173010101	BALL VALVE (BRASS), 3/4-3/4 MALE-MALE

BALL VALVE (BRASS) MALE - FEMALE (BSP)



Part Number	Description of products
30173000201	BALL VALVE (BRASS), 1/2-1/2 MALE-FEMALE
30173010201	BALL VALVE (BRASS), 3/4-3/4 MALE-FEMALE

THREADED PIPE ADAPTERS (BSP)



SS304	SS316	Description of products
50131000001	50131000002	ADAPTOR, 1/2-1/2, MALE-MALE
50131010001	50131010002	ADAPTOR, 3/4-3/4, MALE-MALE
50131020001	50131020002	ADAPTOR, 1-1, MALE-MALE
50131030001	50131030002	ADAPTOR, 1 1/4-1 1/4, MALE-MALE
50131040001	50131040002	ADAPTOR, 1 1/2-1 1/2, MALE-MALE
50131050001	50131050002	ADAPTOR, 2-2, MALE-MALE
50131000002	50131000003	ADAPTOR, 1/2-1/4, MALE-MALE
50131010002	50131010003	ADAPTOR, 3/4-1/2, MALE-MALE
50131020002	50131020003	ADAPTOR, 1-3/4, MALE-MALE
50131010003	50131010004	ADAPTOR, 3/4-1, MALE-FEMALE
50131020003	50131020004	ADAPTOR, 1-1/2, MALE-FEMALE

FLEXIBLE METAL HOSE



EPDM		EPDM (NSF)		Description of products
SS304	SS316	SS304	SS316	
51255000001	51255000005	51255000002	51255000006	FLEXIBLE METAL HOSE, DN15*300mm, PRESS
51255010001	51255010005	51255010002	51255010006	FLEXIBLE METAL HOSE, DN20*300mm, PRESS
51255020001	51255020005	51255020002	51255020006	FLEXIBLE METAL HOSE, DN25*300mm, PRESS
51255030001	51255030005	51255030002	51255030006	FLEXIBLE METAL HOSE, DN32*300mm, PRESS
51255040001	51255040005	51255040002	51255040006	FLEXIBLE METAL HOSE, DN40*300mm, PRESS
51255050001	51255050005	51255050002	51255050006	FLEXIBLE METAL HOSE, DN50*300mm, PRESS
51255060001	51255060005	51255060002	51255060006	FLEXIBLE METAL HOSE, DN60*500mm, PRESS
51255140001	51255140005	51255140002	51255140006	FLEXIBLE METAL HOSE, DN65*500mm, PRESS
51255070001	51255070005	51255070002	51255070006	FLEXIBLE METAL HOSE, DN80*500mm, PRESS
51255080001	51255080005	51255080002	51255080006	FLEXIBLE METAL HOSE, DN100*500mm, PRESS
50155090003	50155090004			FLEXIBLE METAL HOSE, DN125*500mm, CLAMP
50155100003	50155100004			FLEXIBLE METAL HOSE, DN150*500mm, CLAMP
50155110003	50155110004			FLEXIBLE METAL HOSE, DN200*500mm, CLAMP
50155120003	50155120004			FLEXIBLE METAL HOSE, DN250*500mm, CLAMP



NBR		FKM		Description of products
SS304	SS316	SS304	SS316	
51255000003	51255000007	51255000004	51255000008	FLEXIBLE METAL HOSE, DN15*300mm, PRESS
51255010003	51255010007	51255010004	51255010008	FLEXIBLE METAL HOSE, DN20*300mm, PRESS
51255020003	51255020007	51255020004	51255020008	FLEXIBLE METAL HOSE, DN25*300mm, PRESS
51255030003	51255030007	51255030004	51255030008	FLEXIBLE METAL HOSE, DN32*300mm, PRESS
51255040003	51255040007	51255040004	51255040008	FLEXIBLE METAL HOSE, DN40*300mm, PRESS
51255050003	51255050007	51255050004	51255050008	FLEXIBLE METAL HOSE, DN50*300mm, PRESS
51255060003	51255060007	51255060004	51255060008	FLEXIBLE METAL HOSE, DN60*500mm, PRESS
51255140003	51255140007	51255140004	51255140008	FLEXIBLE METAL HOSE, DN65*500mm, PRESS
51255070003	51255070007	51255070004	51255070008	FLEXIBLE METAL HOSE, DN80*500mm, PRESS
51255080003	51255080007	51255080004	51255080008	FLEXIBLE METAL HOSE, DN100*500mm, PRESS

THREADED FLANGE FEMALE



SS304	SS316	Description of products
30170040401	30170040402	FLANGE, DN40-1 1/2 FEMALE
30170050501	30170050502	FLANGE, DN50- 2 FEMALE
30170060201	30170060202	FLANGE, DN63-1 FEMALE
30170060401	30170060402	FLANGE, DN63-1 1/2 FEMALE
30170060501	30170060502	FLANGE, DN63-2 FEMALE
30170070201	30170070202	FLANGE, DN80-1 FEMALE
30170070401	30170070402	FLANGE, DN80-1 1/2 FEMALE
30170070501	30170070502	FLANGE, DN80-2 FEMALE
30170070601	30170070602	FLANGE, DN80-2 1/2 FEMALE
30170080401	30170080402	FLANGE, DN100-1 1/2 FEMALE
30170080501	30170080502	FLANGE, DN100-2 FEMALE
30170080601	30170080602	FLANGE, DN100-2 1/2 FEMALE
30170090401	30170090402	FLANGE, DN125-1 1/2 FEMALE
30170090501	30170090502	FLANGE, DN125-2 FEMALE
30170090601	30170090602	FLANGE, DN125-2 1/2 FEMALE
30170090701	30170090702	FLANGE, DN125-3 FEMALE
30170100401	30170100402	FLANGE, DN150-1 1/2 FEMALE
30170100501	30170100502	FLANGE, DN150-2 FEMALE
30170100601	30170100602	FLANGE, DN150-2 1/2 FEMALE
30170100701	30170100702	FLANGE, DN150-3 FEMALE

PIPE CLIP



PART NUMBER	Description of products
50122000101	PIPE CLIP U,DN15
50122010101	PIPE CLIP U,DN20
50122020101	PIPE CLIP U,DN25
50122030101	PIPE CLIP U,DN32
50122040101	PIPE CLIP U,DN40
50122050101	PIPE CLIP U,DN50
50122060101	PIPE CLIP U,DN60
50122140101	PIPE CLIP U,DN65
50122070101	PIPE CLIP U,DN80
50122080101	PIPE CLIP U,DN100
50122090101	PIPE CLIP U,DN125
50122100101	PIPE CLIP U,DN150
50122110101	PIPE CLIP U,DN200
50122120101	PIPE CLIP U,DN250

SEALS

EPDM	EPDM (NSF)	NBR	FKM	Description of products
12160000303	12160000304	12160000202	12160000402	SEAL DN15
12160010305	12160010306	12160010203	12160010403	SEAL DN20
12160020303	12160020304	12160020202	12160020402	SEAL DN25
12160030303	12160030304	12160030202	12160030402	SEAL DN32
12160040303	12160040304	12160040202	12160040402	SEAL DN40
12160050303	12160050304	12160050202	12160050402	SEAL DN50
12160060303	12160060304	12160060202	12160060402	SEAL DN60
12160140301	12160140302	12160140201	12160140401	SEAL DN65
12160070303	12160070304	12160070202	12160070402	SEAL DN80
12160080303	12160080304	12160080203	12160080402	SEAL DN100
12160090301	not available	12160090201	12160090401	SEAL DN125
12160100301	not available	12160100201	12160100401	SEAL DN150
12160110301	not available	12160110201	12160110401	SEAL DN200
12160120301	not available	12160120201	12160120401	SEAL DN250

Technical Specifications

- Max. working pressure:
 DN15-150, 16bar/ 232psi;
 DN200-250, 13bar/ 188psi.
- Max. vacuum: 1mbar/ 0.03 in. Hg absolute.
- Working temperature range & fluid medium table:



Sealing code	Description	Color	Working Temperature	Main applicable medium
EPDM *	Ethylene Propylene Diene Monomer		-20°C to 120°C -4°F to 248°F	Potable water, hydronic heating, low pressure steam, fire water system.
FKM	Fluoroelastomer		-20°C to 200°C -4°F to 392°F	High temp. steam & gas, solar, heating, compressed air
NBR	Nitrile Butadiene Rubber		-20°C to 100°C -4°F to 212°F	Gas, fuel, compressed air
HNBR **	Hydrogeated Nitrile Butadiene Rubber		-40°C to 150°C -40°F to 302°F	Gas, fuel/ oil high temp. or heating systems, HVAC

* Optional NSF certified sealing for DN 15 to 100.

** Confirm with your sales before order.

Main Applications

Below are typical industrial and civil applications, please consult AQUApipe for selection of stainless steel grade and sealing type:

Compressed air, vacuum, nitrogen & other inert gases, saturated steam, fuel & oil, sea water, drinking water, gas supply, heating water, heating pump, cooling water, solar water connections, fire water, etc.



Quick & Easy Installation

Press Tools



Part Number	Description of Products
51146000201	DEMO KIT



Part Number	Description of Products
50135000101 50135000103	CUTTER MACHINE 100F1 FOR DN15-DN100 PIPE 100F1 SAW FOR DN15-DN100 PIPE



Part Number	Description of Products
50135000301	ID DEBURR TOOL



Part Number	Description of Products
30144000201	PIPE LUGGING MACHINE

Part Number	Description of Products
12144000501	PRESS JAW, DN15
12144000502	PRESS JAW, DN20
12144000503	PRESS JAW, DN25
12144000504	PRESS JAW, DN32
12144000505	PRESS JAW, DN40
12144000506	PRESS JAW, DN50
12144000507	JAW SCISSOR FOR DN40 AND DN50



Part Number	Description of Products
AE15 2844 00	PORTABLE PRESS GUN FOR DN20-DN50 (SAME GUN FOR LUGGING)



Part Number	Description of Products
51144000110	FULL SET (PRESS JAWS SET DN60-DN100 + PRESS SCISSOR + HYDRAULIC CYLINDER + HYDRAULIC CABLE PUMP+OIL HOSE6M)



Part Number	Description of Products
50135000201 50135000202	CUTTER TOOL FOR DN15-DN50 CUTTER TOOL BLADE



Part Number	Description of Products
50135000102 50135000104	CUTTER MACHINE 220F1 FOR DN15-DN250 PIPE 220F1 SAW FOR DN15-DN250 PIPE



Part Number	Description of Products
50135000401	OD DEBURR FILE



Part Number	Description of Products
51144000101	JAWS SET INCLUDE 6JAWS(DN15,DN20,DN25, DN32,DN40,DN50)+1SCISSOR(FOR DN40,DN50)



Part Number	Description of Products
51144000102	PRESS GUN SET INCLUDE JAWS SET (6JAWS+1SCISSOR)+1GUN



Part Number	Description of Products
12144000104	PORTABLE PRESS GUN (GEN2) STROKE 100MM, WITHOUT JAW SCISSOR



Part Number	Description of Products
12144000410	JAWS SCISSOR (DN15-DN50 GEN2)
12144000508	PRESS JAW, DN15 (GEN2)
12144000509	PRESS JAW, DN20 (GEN2)
12144000510	PRESS JAW, DN25 (GEN2)
12144000511	PRESS JAW, DN32 (GEN2)
12144000512	PRESS JAW, DN40 (GEN2)
12144000513	PRESS JAW, DN50 (GEN2)



Part Number	Description of Products
51144000103	JAWS SET INCLUDE 6JAWS(DN15,DN20,DN25, DN32,DN40,DN50) (GEN2)



Part Number	Description of Products
50144000107	PORTABLE PRESS GUN + JAW CLAMPER (DN15-DN50 GEN2)



Part Number	Description of Products
51144000106	PRESS JAWS YANG SET INCLUDE 4JAWS + 1CYLINDER YANG(DN60,DN65,DN80,DN100)



Part Number	Description of Products
51144000115	FULL SET (PRESS JAWS YANG SET DN60-DN100+ HYDRAULIC CYLINDER YANG+ HYDRAULIC CABLE PUMP+OIL HOSE6M)



Part Number	Description of Products
12144000518	PRESS SCISSOR DN60-DN100



Part Number	Description of Products
51144000108	PRESS JAWS SET INCLUDE 4JAWS (DN60,DN65, DN80,DN100)+ CYLINDER



Part Number	Description of Products
51144000104	PRESS GUN SET GEN2, INCLUDE 6JAWS+1SCISSOR+1MACHINE



Part Number	Description of Products
12144000519	PRESS JAW YANG,DN60
12144000520	PRESS JAW YANG,DN65
12144000521	PRESS JAW YANG,DN80
12144000522	PRESS JAW YANG,DN100



Part Number	Description of Products
12144000523	HYDRAULIC CYLINDER YANG,MALE 3/8" FOR DN60-DN100,



Part Number	Description of Products
12144000110	HYDRAULIC CABLE PUMP + OIL HOSE6M



Part Number	Description of Products
51144000116	FULL SET (PRESS JAWS YANG SET DN60-DN100+ HYDRAULIC CYLINDER YANG + CHARGABLE PUMP+ OIL HOSE1.5M)



Part Number	Description of Products
51144000107	HYDRAULIC CYLINDER,MALE 3/8" FOR DN60-DN100



Part Number	Description of Products
12144000111	CHARGABLE PUMP+OIL HOSE1.5M



Part Number	Description of Products
51144000111	FULL SET (PRESS JAWS SET DN60-DN100+ PRESS SCISSOR + HYDRAULIC CYLINDER + CHARGABLE PUMP+OIL HOSE1.5M)

DN15 - 100 Press Connection



Use hand cutter tool to cut pipe.



Deburr and chamfer the pipe end.



To make sure build-in seal well.



Use caliper to check and finish.



Pressing by press tools.



Mark the pipe with a marker pen.

DN125 - 250 Clamp Connection



Use cutting machine to cut pipe.



Deburr and chamfer the pipe end.



Use lugging machine to lug pipe.



Tighten the clamp screws, make the clamp closed fully.



Position the clamp over the sealing element, make sure lugs are in the groove.



Insert pipes to the seal 2-3cm for both side.

Applications

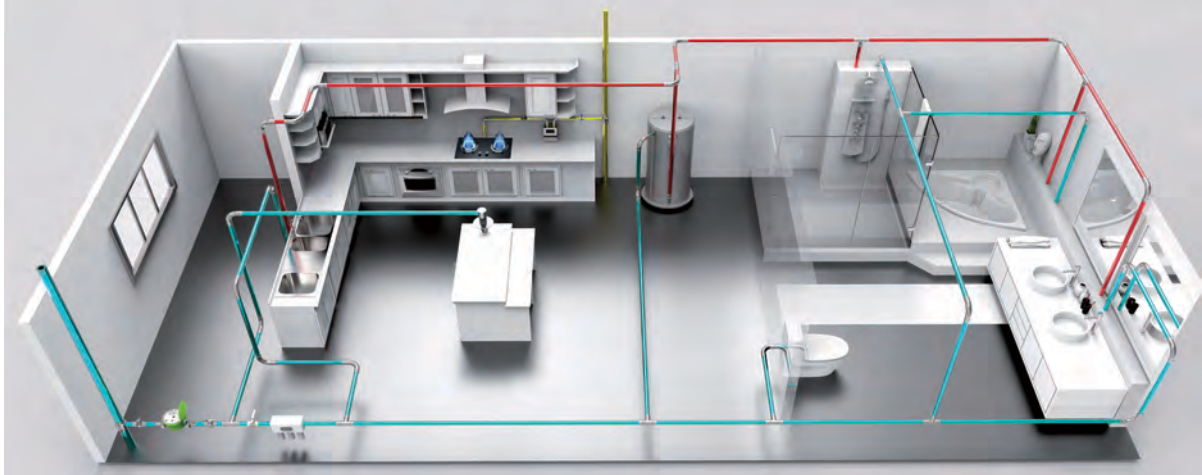
Industrial Installations



Civil building Installations

Superior Performance for Healthy Life

→ Water Supply
→ Gas Supply
→ Hot Water



One-stop Service

AQUApipe is providing experience of **“One-stop Service”** to the worldwide customers, from the design of the pipe system to after service, one stop solution.



Warranty and Certifications

10 Year Warranty:



AQUApipe warrants its 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 within AQUApipe 's LOGO. AQUApipe is not responsible for improper assembly, installation, or for any modifications of the product.

The warranty is void upon:

- (a) Failure to follow assembly or installation guidelines;
- (b) Alteration, misuse or abuse of, or damage to the products;
- (c) Operation beyond the design range, excessive pressure, stress, or mishandling in any way;
- (d) Use other than for the intended purpose or in a manner other than specified by AIRpipe.

* AQUApipe is a product brand in AIRpipe Group.



Certifications and Compliances:

ISO 9001 version 2015
ISO 14001 version 2004
ASME, UL, TUV, CRN, CE, EN and TS

 **U.S. FOOD & DRUG**
ADMINISTRATION
*FDA CFR 21, GRAS, Food and
Drugs Regulation in US*





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

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