

VASEN



POLYPROPYLENE PIPES AND FITTINGS

Price list **2022/04**



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PP-R is short for polypropylene random copolymer, also named as polypropylene type 3.

In 1957, Italian firstly realized polypropylene industrial production. Due to its excellent heat-resistant, corrosion-resistant performance, it is deeply favored by the users. In late 1970s, polypropylene material has deemed to be the future direction of building cold and hot water supply pipeline. That is the first generation of polypropylene material, which named as PP-H, short for homo- polypropylene. However, though it has excellent heat-resistance (110°C), pressure resistance (MRS = 10 MPa) performance, its poor low-temperature impact resistance makes it not suitable for the building cold and hot water supply pipeline.

Therefore, people tried to improve its low-temperature impact resistance through the modification of PP-H material. Then we have the second generation of polypropylene, which is obtained through the modification of PP-H material. Then we have the second generation of polypropylene, which is obtained through adding a certain amount of vinyl monomer during the polymerization process of polypropylene. It is named as PP-B or PP-H, which is short for block copolymerized polypropylene. Although PP-B has a great change in low-temperature impact resistance, it sacrificed its heat resistance performance. PP-B can only apply in cold water pipeline or the hot water pipeline in low pressure condition.

In late 1980s, some European petrochemical corporations break the traditional polypropylene liquid-phase polymerization process, adopting the advanced gas phase polymerization technology, which synthesized random copolymer of polypropylene and ethylene. The random copolymer is named as polypropylene random copolymer, PP-R in short, wherein the ethylene content is less than 5%, which is randomly distributed in the polypropylene molecular chain. This PP-R material, which is created by the new polymerization process, taking into account the heat resistance of PP-H and the low-temperature impact properties of PP-B, is suitable for the manufacture of hot and cold water supply pipeline system inside the building.

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ADVANTAGES

- **Light weight.** The density of the pipes is only 0.89-0.91 , which is only 1/9 of steel pipe and 1/10 of copper pipe. It makes handling and installation more convenient.
- **Good heat and pressure resistance.** The Vicat softening point reaches 131.3°C. Its short-term operating temperature can up to 95°C. And under the temperature of 80°C, it still can bear some pressure for a long term. That's the best choice for cold and hot water supply pipeline in buildings.
- **Long service life.** Under proper temperature (70°C) and pressure (10), its service life can reach 50 years.
- **Good corrosion resistance.** VASEN PP-R pipes have excellent corrosion resistance to most inorganic ion and common chemical substances in buildings. It is anti-corrosion and does not rust in long term use.
- **Reliable and convenient connections.** PP-R material has excellent melting welding performance. The pipes and fittings are made from the same material, joined together by melting welding. Compared to single pipe, the tensile vending and impact strength in joint are much higher, which prevents the danger of leakage, and this kind of connection method also makes the site installation reliable and convenient..
- **Nonpoisonous and harmless.** PP-R belongs to polyolefin, which is a kind of thermoplastics, whose molecule is only composed of carbon and hydrogen.
- **Good thermal and sound insulation properties.** The thermal conductivity coefficient of PP-R is 0.23 w/m °C, which is only 1/200 of steel pipe (43-52 w/m °C). No need to use insulating materials when used in hot water systems, which saves insulation materials and energy. And it has lower noise when delivery in pipeline system.
- **Better water passing capacity.** The smooth inner surface of PP-R pipes and fittings have lower friction, which ensure fast running of the water.
- **Environment-friendly building material.** During production, installation and application, no pollution will be caused to the environment. Meanwhile, the materials are recyclable, which can minimize resource wasting.

APPLICATION FIELDS

- **Portable water pipe network** for cold and hot water supply in civil buildings, such as residence, hospitals, hotels, offices, schools and buildings on ship, etc.
- **Industrial pipe networks for foodstuff, chemical and electric industry**, e.g. for the transportation of some corrosive fluids (acid or alkaline water and ionized water, etc.)
- **Pipe networks for purified water and mineral water.**
- **Pipe networks for air conditioning equipment.**
- **Pipe networks for floor heating system.**
- **Pipe networks for rainwater utilization system.**
- **Pipe networks for swimming pool facilities.**
- **Pipe networks for agriculture and horticulture.**
- **Pipe networks for solar energy facilities.**

CONNECTION METHODS

1. SOCKET FUSION WITH A HAND-HELD WELDING DEVICE



- **Cut the pipe.**
Cut the pipe at right angles to the pipe axis. After cutting, make the surface free from burr and cutting debris. The pipe end connect with fittings should be clean, dry, oil-free.



- **Mark welding depth.**
Use special gauge and pencil to measure the pipe end and mark the welding depth.



- **Heat pipe and fitting.**
When the temperature of welding tool reach 260°C (the green lamp flashing), insert the pipe and the fitting into the welding tool at the same time. The heating time refer to below table.



- **Align and weld-in.**
After the required heating time quickly remove pipe and fitting from the welding tools. Joint them immediately, and without turning, until the marked welding depth is covered.

Hold the pipe and the fitting tightly until reach the required welding time. Do not push the pipe too far or too close, as this would reduce the bore, even close the pipe, or make the connection unstable.

- **Pressure Test**
When the whole system installation accomplished, carry out water pressure test, to ensure the connection is reliable.

PP-R PIPE & FITTING HEAT SOCKET FUSION TECHNICAL REQUIREMENT

Diameters (mm)	Minimum depth (mm)	Heating time (sec.)	Welding time (sec.)	Cooling time (min.)
20	11	5	4	3
25	12,5	7	4	3
32	14,6	8	4	4
40	17	12	6	4
50	20	18	6	5
63	23,9	24	6	6
75	27,5	30	10	8
90	32	40	10	8
110	38	50	15	10
125	41	55	15	12
160	46	60	15	15

➔ **Note:** This table is only applied in the situation that environment temperature is 20°C. When the environment temperature is lower than 20°C, the heating time should increase properly. If the environment temperature is less than 5°C, the heating time should increase 50%.

2. ELECTROFUSION

- **Cut the pipe.**
Cut the ends of the pipes rectangular and deburr them thoroughly.
- **Measure welding depth.**
Measure the vertical length between the fitting end and the limit circle (measure half length of the fittings if the without limit circle).

- **Mark welding depth.**
Mark the depth of electrofusion fitting on the ends of the pipes.
- **Peel pipe end surfaces.**
Peel the surface of the pipes up to the marks thoroughly with a peeling tool (0.1-0.2 mm thickness) and deburr. **(It is a necessary procedure).**
- **Clean up welding area.**
Clean the welding area of the pipes and fitting with isopropanol, completely dry the fusion area with clean cloth. Do not touch the clean and dry fusion area of pipes or fittings with hands.



- **Mark welding depth.**

Mark the depth of electrofusion fitting again on the ends of the pipes.

- **Insert into the fitting.**

Push the electrofusion sockets on the clean and dry end of the pipe (up to the marked depth) and check the fitness. Clamp the pipes and fittings at the same axis, ensure not move during fusion.

- **Plug in the electrodes.**

Attach the electrode plugs of the welding machine to the electrode of the fittings, to ensure fully contact.

- **Electric weld.**

Read the bar code on the fittings by scanning pen or input the welding parameter manually. Check the welding parameter showed on the machine, such as product type, voltage, heating, and cooling time. Press "Start" button to carry on welding. Do not move or stress pipe and fitting during the whole fusion process and cooling time.

- **Welding check.**

After fusion process, check and see if the welding indicators are protruded (the welding indicators height vary with fit clearance).

Attention:

① Input voltage deviation should be not more than 15%, output voltage allowed deviation is within 5%.

② The electrofusion machine without temperature compensation function should set compensation time.

3. BUTT FUSION



- **Clamp pipes.**

Plastic pipes are aligned and fixed by means of the clamping elements.

- **Check welding parameters.**

Set welding temperature to 240 5%, and test the pipe moving pressure.

- **Mill pipe ends.**

Use the milling machine for milling the pipe end to be plane-parallel. Check if the pipe match, if not, makes adjustment, to ensure the alignment tolerance less than 10%.

- **Heat up.**

After the heating element has been positioned, the pipes are pushed onto the heating plate with a defined adjusting pressure.

After reaching the specified bead height the pressure is reduced. This process marks the beginning of the heating time. This time is for heating up the pipe ends up to the right welding temperature.

- **Butt weld.**

When heating time has expired, divide the machine slide, remove heating element quickly and join the pipes (by putting both parts of the slide together).

- **Hold pressure and cool down.**

The pipes are fused with the required welding pressure and cooled down under pressure.

PIPE IN BAR PPR 80 SDR 6 / S 2,5 PN20



TUBO EN BARRA PPR 80 SDR 6 / S 2,5 PN20
TUBE EN BARRE PPR 80 SDR 6 / S 2,5 PN20
TUBO EM VARA PPR 80 SDR 6 / S 2,5 PN20

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TB16	16 x 2.7	4.0	25	100	1,033
PPR.TB20	20 x 3.4	4.0	25	100	1,321
PPR.TB25	25 x 4.2	4.0	20	80	2,037
PPR.TB32	32 x 5.4	4.0	10	40	3,391
PPR.TB40	40 x 6.7	4.0	5	20	5,382
PPR.TB50	50 x 8.4	4.0	4	16	8,773
PPR.TB63	63 x 10.5	4.0	3	12	13,561
PPR.TB75	75 x 12.5	4.0	2	8	21,538
PPR.TB90	90 x 15.0	4.0	1	4	32,915
PPR.TB110	110 x 18.3	4.0	1	4	49,172
PPR.TB125 ▲	125 x 20.8	4.0	1	4	65,855
PPR.TB160 ▲	160 x 26.6	4.0	1	4	92,401

PIPE IN BAR FASER PPR 80 SDR 7,4 / S 3,2



TUBO EN BARRA FASER PPR 80 SDR 7,4 / S 3,2
TUBE EN BARRE FASER PPR 80 SDR 7,4 / S 3,2
TUBO EM VARA FASER PPR 80 SDR 7,4 / S 3,2

Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBF20020	20 x 2.8	4.0	25	100	1,538
PPR.TBF20025	25 x 3.5	4.0	20	80	2,246
PPR.TBF20032	32 x 4.4	4.0	10	40	3,652
PPR.TBF20040	40 x 5.5	4.0	5	20	5,226
PPR.TBF20050	50 x 6.9	4.0	4	16	8,255
PPR.TBF20063	63 x 8.6	4.0	3	12	13,034
PPR.TBF20075	75 x 10.3	4.0	2	8	19,648
PPR.TBF20090	90 x 12.3	4.0	1	4	29,471
PPR.TBF20110	110 x 15.1	4.0	1	4	41,644
PPR.TBF20125	125 x 17.1	4.0	1	4	64,659
PPR.TBF20160	160 x 21.9	4.0	1	4	90,697

DN: mm • U/B: Units per bag • m/B: Meters per box

PIPE IN BAR CLIMA FASER PPR 80 SDR 11 / S 5

TUBO EN BARRA CLIMA FASER PPR 80 SDR 11 / S 5
TUBE EN BARRE CLIMA FASER PPR 80 SDR 11 / S 5
TUBO EM VARA CLIMA FASER PPR 80 SDR 11 / S 5



Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBFC25	25 x 2.3	4.0	20	80	1,995
PPR.TBFC32	32 x 2.9	4.0	10	40	3,163
PPR.TBFC40	40 x 3.7	4.0	5	20	4,936
PPR.TBFC50	50 x 4.6	4.0	4	16	7,119
PPR.TBFC63	63 x 5.8	4.0	3	12	12,313
PPR.TBFC75	75 x 6.8	4.0	2	8	17,642
PPR.TBFC90	90 x 8.2	4.0	1	4	26,631
PPR.TBFC110	110 x 10	4.0	1	4	39,453
PPR.TBFC125	125 x 11.4	4.0	1	4	51,185
PPR.TBFC160	160 x 14.6	4.0	1	4	83,786

PIPE IN BAR FASER PPR 80 SDR 7,4 / S 3,2 UV

TUBO EN BARRA FASER PPR 80 SDR 7,4 / S 3,2 UV
TUBE EN BARRE FASER PPR 80 SDR 7,4 / S 3,2 UV
TUBO EM VARA FASER PPR 80 SDR 7,4 / S 3,2 UV



Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TBFUV20020	20 x 2.8	4.0	25	100	2,186
PPR.TBFUV20025	25 x 3.5	4.0	20	80	3,259
PPR.TBFUV20032	32 x 4.4	4.0	10	40	5,371
PPR.TBFUV20040	40 x 5.5	4.0	5	20	8,197
PPR.TBFUV20050	50 x 6.9	4.0	4	16	12,365
PPR.TBFUV20063	63 x 8.6	4.0	3	12	20,446

PIPE IN BAR PPR 80 SDR 11 / S 5 PN10

TUBO EN BARRA PPR 80 SDR 11 / S 5 PN10
TUBE EN BARRE PPR 80 SDR 11 / S 5 PN10
TUBO EM VARA PPR 80 SDR 11 / S 5 PN10



Ref.	DN x THIC. (mm)	L (m)	U/B	m/B	€/m
PPR.TB200 ▲	200 x 18.2	4.0	1	4	155,930
PPR.TB250 ▲	250 x 22.7	4.0	1	4	230,491
PPR.TB315 ▲	315 x 28.6	4.0	1	4	369,463

DN: mm • U/B: Units per bag • m/B: Meters per box

▲ Delivery time on request

ELBOW 90°



CODO 90°
COUDE 90°
JOELHO 90°

Ref.	DN	U/B	U/C	€/Uni.
PPR.C9016	16	10	400	0,369
PPR.C9020	20	10	400	0,277
PPR.C9025	25	10	240	0,426
PPR.C9032	32	10	140	0,666
PPR.C9040	40	8	80	1,308
PPR.C9050	50	4	40	2,499
PPR.C9063	63	3	18	4,301
PPR.C9075	75	2	18	6,329
PPR.C9090	90	1	9	9,831
PPR.C90110	110	1	5	18,828
PPR.C90125	125	1	4	28,103
PPR.C90160	160	1	4	47,540

ELBOW 45°



CODO 45°
COUDE 45°
JOELHO 45°

Ref.	DN	U/B	U/C	€/Uni.
PPR.C4516	16	10	600	0,287
PPR.C4520	20	10	600	0,210
PPR.C4525	25	10	360	0,402
PPR.C4532	32	10	200	0,606
PPR.C4540	40	8	96	1,147
PPR.C4550	50	4	56	1,886
PPR.C4563	63	3	30	3,768
PPR.C4575	75	2	18	5,793
PPR.C4590	90	1	8	9,919
PPR.C45110	110	1	6	15,478
PPR.C45160	160	1	4	60,302

ELBOW 90° F/M



CODO 90° H/M
COUDE 90° F/M
CURVA 90° F/M

Ref.	DN	U/B	U/C	€/Uni.
PPR.CHM20 ●	20	50	300	0,391
PPR.CHM25 ●	25	50	200	0,616

DN: mm • U/B: Units per bag • U/C: Units per box

COUPLER

MANGUITO
MANCHON
UNIÃO



Ref.	DN	U/B	U/C	€/Uni.
PPR.M16	16	10	720	0,236
PPR.M20	20	10	720	0,177
PPR.M25	25	10	400	0,293
PPR.M32	32	10	240	0,450
PPR.M40	40	10	150	0,695
PPR.M50	50	8	80	1,229
PPR.M63	63	6	48	2,499
PPR.M75	75	4	32	4,419
PPR.M90	90	2	24	6,713
PPR.M110	110	2	12	9,407
PPR.M125	125	2	8	13,795
PPR.M160	160	1	4	33,802

EQUAL TEE

TE IGUAL
TÉ EGAL
TÊ IGUAL



Ref.	DN	U/B	U/C	€/Uni.
PPR.T16	16	10	360	0,450
PPR.T20	20	10	360	0,337
PPR.T25	25	10	200	0,550
PPR.T32	32	10	100	0,863
PPR.T40	40	6	60	1,393
PPR.T50	50	4	32	2,743
PPR.T63	63	2	18	5,193
PPR.T75	75	2	14	7,300
PPR.T90	90	1	8	13,497
PPR.T110	110	1	4	23,311
PPR.T125	125	1	4	39,053
PPR.T160	160	1	4	63,883

TEE CROSS

TE CRUZ
TÉ CROIX
TÊ CRUZ



Ref.	DN	U/B	U/C	€/Uni.
PPR.CZ20	20	10	250	0,631
PPR.CZ25	25	10	150	0,771
PPR.CZ32	32	8	96	1,396

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

REDUCED TEE



TE REDUCCIÓN
TÉ RÉDUIT
TÊ REDUZIDO

Ref.	DN	U/B	U/C	€/Uni.
PPR.TRC2520	25-20-25	10	200	0,482
PPR.TRC3220	32-20-32	10	150	0,810
PPR.TRC3225	32-25-32	10	120	0,810
PPR.TRC4020	40-20-40	6	84	1,255
PPR.TRC4025	40-25-40	6	72	1,255
PPR.TRC4032	40-32-40	6	60	1,434
PPR.TRC5020	50-20-50	4	48	2,598
PPR.TRC5025	50-25-50	4	48	2,646
PPR.TRC5032	50-32-50	4	40	2,715
PPR.TRC5040	50-40-50	4	40	2,792
PPR.TRC6320	63-20-63	2	32	4,892
PPR.TRC6325	63-25-63	2	32	5,114
PPR.TRC6332	63-32-63	2	32	5,114
PPR.TRC6340	63-40-63	2	24	5,114
PPR.TRC6350	63-50-63	2	24	5,114
PPR.TRC7550	75-50-75	2	18	9,836
PPR.TRC7563	75-63-75	2	14	9,836
PPR.TRC9063	90-63-90	1	6	12,239
PPR.TRC9075	90-75-90	1	6	13,477
PPR.TRC11063	110-63-110	1	4	22,723
PPR.TRC11075	110-75-110	1	4	23,960
PPR.TRC11090	110-90-110	1	4	25,197
PPR.TRL2520	25-20-20	10	200	0,614
PPR.TRL2025	25-25-20	10	200	0,568
PPR.TRL3220	32-20-20	10	180	1,145
PPR.TRL3225	32-25-25	10	120	1,145
PPR.TDR322025	32-20-25	10	120	0,872
PPR.TDR322520	32-25-20	10	150	0,872

CAP



TAPÓN
BOUCHON
TAMPÃO

Ref.	DN	U/B	U/C	€/Uni.
PPR.TAP16	16	20	1.000	0,203
PPR.TAP20	20	20	1.000	0,193
PPR.TAP25	25	20	600	0,271
PPR.TAP32	32	20	300	0,417
PPR.TAP40	40	20	200	0,839
PPR.TAP50	50	8	112	1,179
PPR.TAP63	63	8	64	2,048
PPR.TAP75	75	2	40	3,786
PPR.TAP90	90	2	28	7,148
PPR.TAP110	110	2	12	9,251
PPR.TAP125	125	1	16	13,838
PPR.TAP160	160	1	6	22,284

DN: mm • U/B: Units per bag • U/C: Units per box

REDUCER

MANGUITO REDUCCIÓN
MANCHON RÉDUIT
REDUÇÃO



Ref.	DN	U/B	U/C	€/Uni.
PPR.MRD2016	20-16	10	72	0,289
PPR.MRD2520	25-20	10	720	0,217
PPR.MRD3220	32-20	10	480	0,329
PPR.MRD3225	32-25	10	400	0,351
PPR.MRD4020	40-20	10	300	0,439
PPR.MRD4025	40-25	10	300	0,516
PPR.MRD4032	40-32	10	250	0,637
PPR.MRD5020	50-20	10	200	0,648
PPR.MRD5025	50-25	10	200	0,827
PPR.MRD5032	50-32	10	160	0,909
PPR.MRD5040	50-40	10	150	1,016
PPR.MRD6320	63-20	10	150	1,653
PPR.MRD6325	63-25	10	150	1,394
PPR.MRD6332	63-32	8	96	1,473
PPR.MRD6340	63-40	8	80	1,473
PPR.MRD6350	63-50	8	64	1,645
PPR.MRD7550 ●	75-50	10	40	2,707
PPR.MRD7563	75-63	4	48	4,288
PPR.MRD9063	90-63	2	36	4,660
PPR.MRD9075	90-75	4	24	5,495
PPR.MRD1163	110-63	2	18	8,194
PPR.MRD1175	110-75	2	18	8,646
PPR.MRD1190	110-90	2	18	9,005
PPR.MRD1211 ●	125-110	1	4	24,572
PPR.MRD1611	160-110	1	4	17,832
PPR.MRD1612	160-125	1	4	18,084

PLUG WITH THREAD

TAPÓN CON ROSCA
BOUCHON À VIS
TAMPÃO COM ROSCA



Ref.	DN	U/B	U/C	€/Uni.
PPR.TAPR20	20	20	1.000	0,231
PPR.TAPR25	25	20	800	0,231

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

SADDLE



INJERTO
SELLE
DERIVAÇÃO SIMPLES

Ref.	DN	U/B	U/C	€/Uni.
PPR.INJ5025	50-25	1	480	0,698
PPR.INJ6325	63-25	1	480	0,698
PPR.INJ7525	75-25	1	480	1,024
PPR.INJ9025	90-25	1	400	1,081
PPR.INJ9032	90-32	1	240	1,442
PPR.INJ11025	110-25	1	400	1,245
PPR.INJ11032	110-32	1	240	1,630

PPR REPAIR PARTS



PIEZAS REPARACIÓN PPR
PIÈCES DE RÉPARATION PPR
TACO DE REPARAÇÃO

Ref.	DN	U/B	U/C	€/Uni.
PPR.REP711	7/11	10	500	0,678

STUB END



VALONA
COLLIER DE BRIDE
COLARINHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.VAL40	40	16	128	1,023
PPR.VAL50	50	10	100	1,350
PPR.VAL63	63	8	64	1,815
PPR.VAL75	75	4	40	3,630
PPR.VAL90	90	4	24	5,307
PPR.VAL110	110	2	20	8,423
PPR.BFVAL125*	125	1	1	41,155
PPR.BFVAL160*	160	1	1	62,127

DN: mm • U/B: Units per bag • U/C: Units per box

FLANGE

BRIDA ACERO
BRIDE
FLANGE



Ref.	DN	U/B	U/C	€/Uni.
PPR.BA40 ●	40	1	1	11,950
PPR.BA50 ●	50	1	1	14,803
PPR.BA63 ●	63	1	1	19,129
PPR.BA75 ●	75	1	1	22,874
PPR.BA90 ●	90	1	1	24,524
PPR.BA110 ●	110	1	1	28,447

FEMALE THREADED TEE

TE ROSCA HEMBRA
TÉ FILETÉ FEMELLE
TÊ ROSCA FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.TRH2012	20 1/2"	10	100	2,347
PPR.TRH2034	20 3/4"	10	80	3,248
PPR.TRH2512	25 1/2"	10	70	2,530
PPR.TRH2534	25 3/4"	10	60	3,261
PPR.TRH3234	32 3/4"	8	40	4,661
PPR.TRH321	32 1"	8	32	6,237
PPR.TRH401	40 1"	5	20	14,561
PPR.TRH40114 ●	40 1.1/4"	5	20	15,298

MALE THREADED TEE

TE ROSCA MACHO
TÉ FILETÉ MÂLE
TÊ ROSCA MACHO



Ref.	DN	U/B	U/C	€/Uni.
PPR.TRM2012	20 1/2"	10	100	2,698
PPR.TRM2034	20 3/4"	10	60	3,838
PPR.TRM2512	25 1/2"	10	80	3,356
PPR.TRM2534	25 3/4"	10	60	3,839
PPR.TRM321	32 1"	8	24	7,502

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

FEMALE THREADED ELBOW



CODO ROSCA HEMBRA
COUDE FILETÉ FEMELLE
JOELHO ROSCA FÊMEA

Ref.	DN	U/B	U/C	€/Uni.
PPR.CRH2012	20 1/2"	10	100	2,149
PPR.CRH2034	20 3/4"	10	100	3,055
PPR.CRH2512	25 1/2"	10	100	2,294
PPR.CRH2534	25 3/4"	10	80	3,156
PPR.CRH3234	32 3/4"	5	60	4,224
PPR.CRH321	32 1"	5	40	6,399
PPR.CRH40114 ●	40 1.1/4"	10	20	14,983

MALE THREADED ELBOW



CODO ROSCA MACHO
COUDE FILETÉ MÂLE
JOELHO ROSCA MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.CRM2012	20 1/2"	10	100	2,718
PPR.CRM2034	20 3/4"	10	100	3,517
PPR.CRM2512	25 1/2"	10	100	3,173
PPR.CRM2534	25 3/4"	10	80	3,607
PPR.CRM3234	32 3/4"	10	60	5,095
PPR.CRM321	32 1"	10	30	7,647

PLATE ELBOW



CODO PLACA
COUDE MURAL FILETÉ FEMELLE
JOELHO ROSCA FÊMEA C/ PATER

Ref.	DN	U/B	U/C	€/Uni.
PPR.CP2012	20 1/2"	10	100	2,120
PPR.CP2512	25 1/2"	5	40	2,450
PPR.CP2534	25 3/4"	5	50	3,619

DN: mm • U/B: Units per bag • U/C: Units per box

FEMALE THREADED TRANSITION

MANGUITO ROSCA HEMBRA
RACCORD D'ADAPTATION FEMELLE
UNIÃO ROSCA FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.MRH2012	20 1/2"	10	100	2,087
PPR.MRH2034	20 3/4"	10	100	3,073
PPR.MRH2512	25 1/2"	10	100	2,120
PPR.MRH2534	25 3/4"	10	80	2,994
PPR.MRH3234	32 3/4"	10	80	3,935
PPR.MRH321	32 1"	10	40	5,833
PPR.MRH40114	40 1.1/4"	4	24	10,363
PPR.MRH50112	50 1.1/2"	4	24	13,017
PPR.MRH632	63 2"	2	8	19,572
PPR.MRH75212	75 2.1/2"	2	6	43,020
PPR.MRH903 ●	90 3"	2	8	94,583
PPR.MRH110 ●	110 4"	1	3	127,404

TRANSITION COUPLING FEMALE THREADED

ENLACE DESMONTABLE ROSCA HEMBRA
RACCORD UNION A SOUDE ET VISSER FEMELLE
UNIÃO DESMONTÁVEL ROSCA FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.EDRH2012	20 1/2"	10	80	5,192
PPR.EDRH2534	25 3/4"	10	60	6,875
PPR.EDRH321	32 1"	6	48	9,712
PPR.EDRH40114	40 1.1/4"	6	30	16,519
PPR.EDRH50112	50 1.1/2"	6	24	20,392
PPR.EDRH632	63 2"	4	16	45,189

COUPLING MALE THREADED TRANSITION

ENLACE DESMONTABLE ROSCA MACHO
RACCORD UNION A SOUDE ET VISSER MÂLE
UNIÃO DESMONTÁVEL ROSCA MACHO



Ref.	DN	U/B	U/C	€/Uni.
PPR.EDRM2012	20 1/2"	10	80	5,115
PPR.EDRM2534	25 3/4"	10	60	7,211
PPR.EDRM321	32 1"	6	48	10,442
PPR.EDRM40114	40 1.1/4"	6	24	16,616
PPR.EDRM50112	50 1.1/2"	6	24	25,037
PPR.EDRM632	63 2"	4	16	52,823

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

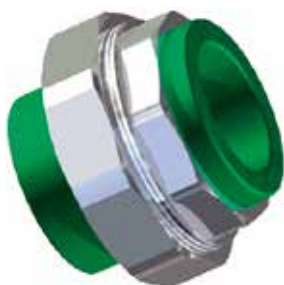
TRANSITION MALE THREADED



ENTRONQUE ROSCA MACHO
RACCORD D'ADAPTATION MÂLE
UNIÃO ROSCA MACHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.ERM1612 ●	16 1/2"	10	120	3,070
PPR.ERM2012	20 1/2"	10	120	2,327
PPR.ERM2034	20 3/4"	10	80	3,480
PPR.ERM2512	25 1/2"	10	100	2,407
PPR.ERM2534	25 3/4"	10	80	3,445
PPR.ERM3234	32 3/4"	10	80	4,175
PPR.ERM321	32 1"	10	40	7,785
PPR.ERM40114	40 1 1/4"	4	24	13,661
PPR.ERM50112	50 1 1/2"	4	16	17,035
PPR.ERM632	63 2"	2	8	28,047
PPR.ERM75212	75 2 1/2"	2	6	54,118
PPR.ERM903	90 3"	2	8	90,113
PPR.ERM110 ●	110 4"	1	3	179,762

METAL COUPLING (PLASTIC/PLASTIC)



ENLACE DESMONTABLE SOLDAR-SOLDAR
RACCORD DROIT AVEC ECROU FEMELLE
UNIÃO ROSCA LOUCA

Ref.	DN	U/B	U/C	€/Uni.
PPR.EDSS20	20	5	60	5,861
PPR.EDSS25	25	5	60	8,245
PPR.EDSS32	32	5	60	12,518
PPR.EDSS40	40	2	24	24,372
PPR.EDSS50	50	2	24	33,093
PPR.EDSS63	63	2	16	52,360

NUT ADAPTER



ENLACE TUERCA LOCA
TUBE EN BARRE PPR 80 SDR 6 / S 2,5 PN20
TUBO EM VARA PPR 80 SDR 6 / S 2,5 PN20

Ref.	DN	U/B	U/C	€/Uni.
PPR.ETL2012	20 1/2"	30	150	4,439
PPR.ETL2034	20 3/4"	25	150	5,866
PPR.ETL2534	25 3/4"	20	60	6,566
PPR.ETL251	25 1"	20	60	10,603
PPR.ETL321	32 1"	10	60	12,013
PPR.ETL32114 ●	32 1 1/4"	10	50	17,061

DN: mm • U/B: Units per bag • U/C: Units per box

INTEGRATED FEMALE THREAD TEE

COLECTOR DE CONEXIÓN
FEMELLE INTÉGRÉ FILETÉ
COLETOR



Ref.	DN	U/B	U/C	€/Uni.
PPR.COLC20	20 1/2"	5	30	6,206
PPR.COLC25	25 1/2"	5	20	6,709

FEMALE CROSS PIPE

SALVATUBOS HEMBRA
RACCORD DE CROISEMENT FEMELLE
SALVATUBOS FÊMEA



Ref.	DN	U/B	U/C	€/Uni.
PPR.ST20	20	10	200	0,900
PPR.ST25	25	10	120	1,284
PPR.ST32	32	10	60	2,468

MALE CROSS PIPE

SALVATUBOS MACHO
RACCORD DE CROISEMENT FEMELLE
SALVATUBOS MACHO



Ref.	DN	U/B	U/C	€/Uni.
PPR.STC20	20	10	130	1,028
PPR.STC25	25	10	100	1,427
PPR.STC32	32	6	54	2,506
PPR.STC40	40	5	25	4,659

SINGLE CLAMP



ABRAZADERA SIMPLE
CLAMP SIMPLE
ABRAÇADEIRA SIMPLES

Ref.	DN	U/B	U/C	€/Uni.
PPR.AS20	20	20	1.600	0,140
PPR.AS25	25	20	1.440	0,168
PPR.AS32	32	20	960	0,221
PPR.AS40 ●	40	100	500	0,361

DOUBLE CLAMP



ABRAZADERA DOBLE
CLAMP DOUBLE
ABRAÇADEIRA DUPLA

Ref.	DN	U/B	U/C	€/Uni.
PPR.AD20 ●	20	100	500	0,211
PPR.AD25 ●	25	50	500	0,304
PPR.AD32 ●	32	50	500	0,432

DN: mm • U/B: Units per bag • U/C: Units per box

BALL VALVE

VÁLVULA DE BOLA
ROBINET D'ARRET
VÁLVUKA DE ESFERA



Ref.		DN	U/B	U/C	€/Uni.
PPR.VB20	●	20	10	40	5,371
PPR.VB25	●	25	10	35	7,898
PPR.VB32	●	32	5	20	13,063
PPR.VB40	●	40	5	15	25,239
PPR.VB50	●	50	1	8	33,992
PPR.VB63	●	63	1	5	52,976
PPR.VB75	●	75	1	5	77,543

STEERING WHEEL CUTTING VALVE

VÁLVULA DE CORTE CON VOLANTE
ROBINET D'ARRET AVEC VOLANT
VÁLVULA DE CORTE C/VOLANTE



Ref.		DN	U/B	U/C	€/Uni.
PPR.VV20		20	1	35	6,851
PPR.VV25		25	1	25	10,653
PPR.VV32		32	1	15	14,896
PPR.VV40		40	1	10	20,956

DEMOUNTABLE BALL VALVE

VÁLVULA DE BOLA DESMONTABLE
ROBINET A BILLE DEMONTABLE
VÁLVULA DE ESFERA DESMONTÁVEL



Ref.		DN	U/B	U/C	€/Uni.
PPR.VBD20		20	1	25	13,866
PPR.VBD25		25	1	20	19,787
PPR.VBD32		32	1	12	30,108
PPR.VBD40		40	1	6	61,797
PPR.VBD50		50	1	3	91,431
PPR.VBD63		63	1	2	151,580

CHROME CUTTING VALVE

VÁLVULA DE CORTE MANDO CROMADO
ROBINET D'ARRET CHROME
VÁLVULA DE CORTE CROMADA



Ref.		DN	U/B	U/C	€/Uni.
PPR.VCR20		20	1	20	23,323
PPR.VCR25		25	1	20	25,918
PPR.VCR32		32	1	15	37,642

DN: mm • U/B: Units per bag • U/C: Units per box

● Material not VASEN.

CONCEALED VALVE



VÁLVULA DE CORTE PARA EMPOTRAR
ROBINET D'ARRET A ENCASTRER
VĂVULA DE CORTE OCULTA

Ref.	DN	U/B	U/C	€/Uni.
PPR.VE20	20	1	30	21,515
PPR.VE25	25	1	25	23,103
PPR.VE32	32	1	20	30,811

CONCEALED VALVE BODY



CUERPO LLAVE
CORPS DE ROBINET
CAIXA DE PASSADOR

Ref.	DN	U/B	U/C	€/Uni.
PPR.VECU20	20 1/2"	10	100	9,106
PPR.VECU25	25 3/4"	10	100	10,026
PPR.VECU32	32 3/4"	5	50	17,782

VALVE CORE PART



MOLDURA LLAVE
PARTIE CENTRALE DE LA ROBINET
CASTELO DE VÁLVULA DE CORTE

Ref.	DN	U/B	U/C	€/Uni.
PPR.VEMOL20	20 1/2"	1	100	5,252
PPR.VEMOL2532	25 - 32 3/4"	1	100	6,236

VALVE CHROMED UPPER PART



LLAVE EMBELLECEDOR
PARTIE SUPERIEURE CHROME DE LA ROBINET
TUBO P/ CASTELO E ESPELHO

Ref.	DN	U/B	U/C	€/Uni.
PPR.VEEMB202532	20 - 25 - 32	1	50	8,150

DN: mm • U/B: Units per bag • U/C: Units per box

ELECTROFUSION COUPLER

MANGUITO ELECTROSOLDABLE
MANCHON D'ÉLECTROFUSION
UNIÃO ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFM63	63	1	25	11,542
PPR.EFM75	75	1	20	16,424
PPR.EFM90	90	1	10	21,356
PPR.EFM110	110	1	5	33,326
PPR.EFM125	125	1	10	48,581
PPR.EFM160	160	1	6	72,873

ELECTROFUSION REDUCER

MANGUITO REDUCCIÓN ELECTROSOLDABLE
MANCHON REDUCTION D'ÉLECTROFUSION
REDUÇÃO ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFMR6332	63-32	1	30	13,073
PPR.EFMR6340	63-40	1	30	13,409
PPR.EFMR6350	63-50	1	30	16,329
PPR.EFMR7563	75-63	1	30	18,436
PPR.EFMR9063	90-63	1	10	20,255
PPR.EFMR11063	110-63	1	6	37,443
PPR.EFMR11075	110-75	1	6	37,731
PPR.EFMR11090	110-90	1	6	39,262
PPR.EFMR12590	125-90	1	10	54,009
PPR.EFMR125110	125-110	1	10	58,700
PPR.EFMR16090	160-90	1	6	65,001
PPR.EFMR160110	160-110	1	6	67,174
PPR.EFMR160125	160-125	1	6	70,049

ELECTROFUSION ELBOW 90°

CODO 90° ELECTROSOLDABLE
COUDE 90° D'ÉLECTROFUSION
CURVA 90° ELECTROSSOLDÁVEL



Ref.	DN	U/B	U/C	€/Uni.
PPR.EFC9063	63	1	10	22,123
PPR.EFC9075	75	1	10	27,772
PPR.EFC9090	90	1	5	33,181
PPR.EFC90110	110	1	8	55,253
PPR.EFC90125	125	1	6	89,916
PPR.EFC90160	160	1	4	101,789

DN: mm • U/B: Units per bag • U/C: Units per box

ELECTROFUSION ELBOW 45°



CODO 45° ELECTROSOLDABLE
COUDE 45° D'ÉLECTROFUSION
CURVA 45° ELECTROSSOLDÁVEL

Ref.	DN	U/B	U/C	€/Uni.
PPR.EFC4563	63	1	18	21,165
PPR.EFC4575	75	1	10	33,421
PPR.EFC4590	90	1	6	35,719
PPR.EFC45110	110	1	10	50,417
PPR.EFC45125	125	1	6	87,475
PPR.EFC45160	160	1	4	99,396

ELECTROFUSION TEE



TE ELECTROSOLDABLE
TÉ D'ÉLECTROFUSION
TÊ ELECTROSSOLDÁVEL

Ref.	DN	U/B	U/C	€/Uni.
PPR.EFT63	63	1	10	23,224
PPR.EFT75	75	1	7	37,586
PPR.EFT90	90	1	10	40,651
PPR.EFT110	110	1	8	54,391
PPR.EFT125	125	1	5	95,518
PPR.EFT160	160	1	2	107,295

DN: mm • U/B: Units per bag • U/C: Units per box

BUTT FUSION ELBOW 90° SDR 11

CODO 90° A TOPE SDR 11
 COUDE 90° SDR 11 BOUT A BOUT
 CURVA A 90° TOPO A TOPO SDR 11



Reference	DN	U/B	U/C	€/Uni.
PPR.BFC90200 ▲	200	1	1	200,773
PPR.BFC90250 ▲	250	1	1	349,933
PPR.BFC90315 ▲	315	1	1	523,438

BUTT FUSION ELBOW 45° SDR 11

CODO 45° A TOPE SDR 11
 COUDE 45° SDR 11 BOUT A BOUT
 CURVA A 45° TOPO A TOPO SDR 11



Ref.	DN	U/B	U/C	€/Uni.
PPR.BFC45200 ▲	200	1	1	142,188
PPR.BFC45250 ▲	250	1	1	241,872
PPR.BFC45315 ▲	315	1	1	476,716

BUTT FUSION TEE SDR 11

TE A TOPE SDR 11
 TÊ SDR 11 BOUT A BOUT
 TÊ TOPO A TOPO SDR 11



Ref.	DN	U/B	U/C	€/Uni.
PPR.BFT200 ▲	200	1	1	205,608
PPR.BFT250 ▲	250	1	1	322,215
PPR.BFT315 ▲	315	1	1	552,561

BUTT FUSION CAP SDR 11

TAPÓN A TOPE SDR 11
 BOUCHON SDR 11 BOUT A BOUT
 TAMPÃO TOPO A TOPO SDR 11



Ref.	DN	U/B	U/C	€/Uni.
PPR.BFTAP200 ▲	200	1	1	112,334
PPR.BFTAP250 ▲	250	1	1	164,284
PPR.BFTAP315 ▲	315	1	1	209,375

DN: mm • U/B: Units per bag • U/C: Units per box

▲ Delivery time on request

BUTT FUSION STUB END SDR 11



VALONA A TOPE SDR 11
COLLIER DE BRIDE SDR 11 BOUT A BOUT
COLARINHO TOPO A TOPO SDR 11

Reference	DN	U/B	U/C	€/Uni.
PPR.BFVAL200 ▲	200	1	1	107,724
PPR.BFVAL250 ▲	250	1	1	136,397
PPR.BFVAL315 ▲	315	1	1	324,857

BUTT FUSION REDUCER SDR 11



REDUCCIÓN A TOPE SDR 11
REDUCTION SDR 11 BOUT A BOUT
REDUÇÃO TOPO A TOPO SDR 11

Ref.	DN	U/B	U/C	€/Uni.
PPR.BFMRD200160 ▲	200-160	1	1	72,697
PPR.BFMRD250160 ▲	250-160	1	1	144,100
PPR.BFMRD250200 ▲	250-200	1	1	154,108
PPR.BFMRD3120 ▲	315-200	1	1	313,838
PPR.BFMRD3125 ▲	315-250	1	1	341,949

ELECTROFUSION MACHINE

MÁQUINA DE SOLDAR ELECTROFUSION
MACHINE D'ÉLECTROFUSION
MÁQUINA DE ELECTROSSOLDADURA



Ref.	Type	Range	U/C	€/Uni.
SPE 16	• With scanner 20-160 mm	Ø20-Ø160	1	2.346,000

WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA



Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ63	20, 25, 32, 40, 50, 63 mm	Ø16-Ø63	1	230,123

WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA



Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ110	75, 90, 110 mm	Ø20-Ø110	1	247,825

WELDING MACHINE

MÁQUINA DE SOLDAR
MACHINE DE SOUDAGE
POLIFUSORA



Ref.	Matrices	Gama	U/C	€/Uni.
PPR.THJ160	Not included	Ø20-Ø160	1	277,328

DN: mm • U/B: Units per bag • U/C: Units per box

• Material not VASEN.

WELDING TOOL



MATRIZ DE SOLDADURA
OUTIL DE SOUDAGE
MATRIZ DE SOLDADURA

Ref.	DN (mm)	U/B	€/Uni.
PPR.MS16	16	1	6,320
PPR.MS20	20	1	6,320
PPR.MS25	25	1	7,042
PPR.MS32	32	1	10,472
PPR.MS40	40	1	13,241
PPR.MS50	50	1	17,213
PPR.MS63	63	1	23,593
PPR.MS75	75	1	32,982
PPR.MS90	90	1	47,908
PPR.MS110	110	1	65,362
PPR.MS125	125	1	79,409
PPR.MS160	160	1	135,327

SADDLE WELDING TOOL



MATRIZ DE SOLDADURA PARA INJERTO
OUTIL DE SOUDAGE DE SELLE
MATRIZ DE SOLDADURA P/ DERIVAÇÃO

Ref.	DN (mm)	U/B	€/Uni.
PPR.MSI5025	50-25	1	42,600
PPR.MSI6325	63-25	1	42,600
PPR.MSI7525	75-25	1	46,155
PPR.MSI9025	90-25	1	46,155
PPR.MSI9032	90-32	1	63,874
PPR.MSI11025	110-25	1	46,155
PPR.MSI11032	110-32	1	67,436

REPAIR TOOL



MATRIZ DE REPARACIÓN
OUTIL DE RÉPARATION
MATRIZ DE REPARAÇÃO

Ref.	DN (mm)	U/B	€/Uni.
PPR.MSR7	7	1	33,102
PPR.MSR11	11	1	33,102

DN: mm • U/B: Units per bag • U/C: Units per box

SADDLE DRILLING

TALADRO INJERTO
DRILL DE SELLE
BROCA DE DERIVAÇÃO



Ref.	DN (mm)	U/B	€/Uni.
PPR.TALI25	25	1	18,863
PPR.TALI32	32	1	39,222

CUTTER

TIJERAS CORTATUBOS
CISEAUX
TESOURA



Ref.	DN (mm)	U/B	€/Uni.
PPR.TIS	16-40	1	32,443

CERTIFICATES

VASEN has the quality certificates to carry out any type of installation with the security of being working with a leading company in its sector.



GENERAL CONDITIONS OF SALE

PRICES

Prices are understood in our warehouse. The shipping is charged to the customer, unless otherwise indicated.

SHIPPING CHARGE

To be agreed between the parties

PAYMENT CONDITIONS

To be agreed between the parties

PRICE LIST

VASEN (EGB) will opportunely communicate all f the price list changes

DELIVERY

The merchandises always travel by account and risk of the buyer, even in the cases of special agreements.

COMPLAINTS

Complaints or manufacture defects must be notified within the next 15 days of the reception of the merchandise, rejecting those made after of the deadline.

Refund material will not be accepted without an existing agreement supported by a document facilitated by our Commercial Department.

All returns will be shipping charged. The demerit charge in returns is 15%, and if these were in poor condition the refund would not be accepted.

GUARANTEE

Our warranty covers only and exclusively the replacement of material or defective items. Once those are reviewed and accepted by our Technical Department this defect. Any wrongful manipulation or different utilization of the material for whom have been conceived invalidates automatically this guarantee.

LITIGATION

In case of dispute, both parties agree to submit their differences to courts and tribunals of Girona (Spain). VASEN/(EGB) reserves the right to change in all or in part the design and the materials of any of their products.

VASEN

LIFESPAN OF
50 YEARS

Notes

Series of horizontal dotted lines for taking notes.

VASEN

EUROPE

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PRICE LIST 2022/04