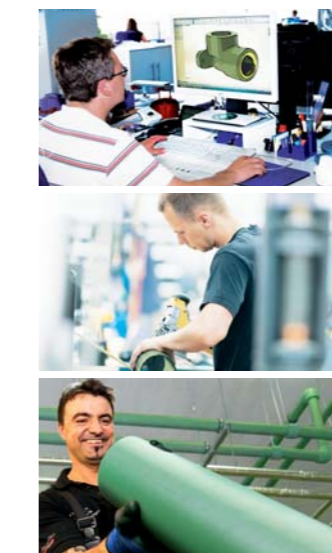




Leading in water supply

PP-R/PP-RCT Piping Systems

Pipes, fittings, valves, unions, cutting tools, welding equipment, welding devices and more



Leading in water supply

The business field of Kessel Wassertechnologie GmbH is manufacturing pipes and fittings for water supply in several plastic materials which positions the company in the construction value chain as a construction material supplier and manufacturer. With the premium manufacturer KESSEL – Leading in drainage – it exists a close and long partnership. With this experience of decades we will transport our success to the future.

Kessel Wassertechnologie GmbH, Waldsolms-Brandobendorf, Germany

KESSEL AG, Lenting, Germany

Material and quality

Plastic pipes made from PP-R (Polypropylene Random Copolymer) were introduced more than 30 years ago. Since then, they have been used mainly for hot and cold water pipe systems and have significantly contributed to the growth and acceptance of plastic pipes for plumbing and heating systems.

Benefits of PP-R/PP-RCT piping systems:

- no corrosion
- high environmental properties
- limited heat loss
- excellent welding properties
- lower noise operation
- fast and easy installation
- good chemical resistance
- taste and odour neutral

References



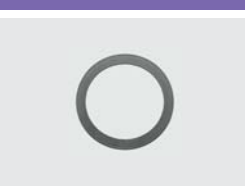
Edition: July 2017

Backing flange PP-Steel for socket system (SS) or butt fusion system (BF)



Code	Dimension
AQ75040	40
AQ75050	50
AQ75063	63
AQ75075	75
AQ75090	90
AQ750110	110
AQ750125	125
AQ750160	160
AQ750200	200
AQ750250	250
AQ750315	315

Flat gasket for unions PP-R



Code	Dimension
AQ490F20	20
AQ490F25	25
AQ490F32	32

Flat gasket



Code	Dimension
AQ71440	40
AQ71450	50
AQ71463	63
AQ71475	75
AQ71490	90
AQ714110	110
AQ714125	125
AQ714160	160
AQ714200	200
AQ714250	250
AQ714315	315

Pipe clamps



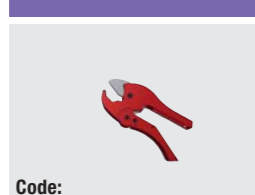
Code	Dimension
AQ50020	20
AQ50025	25
AQ50032	32
AQ50040	40
AQ50050	50
AQ50063	63
AQ50075	75
AQ50090	90
AQ500110	110
AQ500125	125
AQ500160	160
AQ500200	200
AQ500250	250

Plug



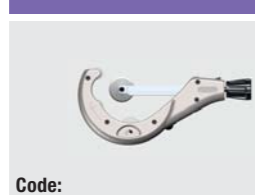
Code: AQ90912

Pipe cutter 20-40



Code: AQ97040

Pipe cutter 50-125



Code: AQ975125

Pipe scraper



Code: AQ974

Hand welding machine 20-63 (complete set)



Code: AQ98063

Hand welding machine 20-32 (complete set)



Code: AQ98032

Hand welding machine (only mirror) 50-125



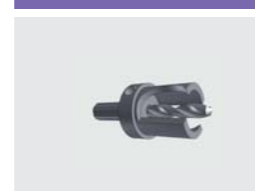
Code: AQ991125

Welding tool for weld in saddles



Code	Dimension
AQ98504006325	40-63x25
AQ98507512525	75-125x25
AQ98507512532	75-125x32
AQ98507512540	75-125x40
AQ98516025025	160-250x25
AQ98516025032	160-250x32
AQ98516025040	160-250x40
AQ98516025050	160-250x50
AQ98516025063	160-250x63

Drilling tool for weld in saddle



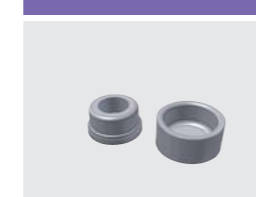
Code	Dimension
AQ98625	25
AQ98632	32
AQ98640	40
AQ98650	50
AQ98663	63

Welding tool for repairing plug



Code	Dimension
AQ9837	7
AQ98311	11

Welding tool



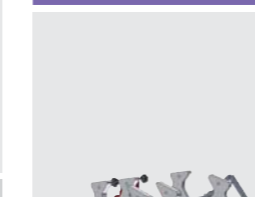
Code	Dimension
AQ98220	20
AQ98225	25
AQ98232	32
AQ98240	40
AQ98250	50
AQ98263	63
AQ98275	75
AQ98290	90
AQ982110	110
AQ982125	125

Repairing plug



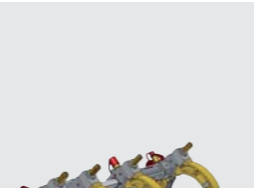
Code	Dimension
AQ5937	7
AQ59311	11

Welding machine 50-125 (complete set)



Code: AQ988125

Butt welding machine 90-250



Code: AQ989250


Electrofusion machine



Code: AQ990

Pipes ... Fittings ... Transition fittings ... Weld-in saddles ... Valves ... Accessories ...


„K Pipe PN 10“
SDR 11 - S 5
(20°C/1,0 MPa - 70°C/0,5 MPa),
length 4 meter



Material: PP-R
Colour: green
with 1 blue stripe
Standards: DIN EN ISO 15874
DIN 8077 / 8078

Code	Dimension
AQ10020	20 x 1,9 mm
AQ10025	25 x 2,3 mm
AQ10032	32 x 2,9 mm
AQ10040	40 x 3,7 mm
AQ10050	50 x 4,6 mm
AQ10063	63 x 5,8 mm
AQ10075	75 x 6,8 mm
AQ10090	90 x 8,2 mm
AQ100110	110 x 10,0 mm
AQ100125	125 x 11,4 mm
AQ100160	160 x 14,6 mm
AQ100200	200 x 18,2 mm
AQ100250	250 x 22,7 mm
AQ100315	315 x 28,6 mm


„K Pipe PN 20“
SDR 6 - S 2,5
(20°C/2,0 MPa - 70°C/1,0 MPa),
length 4 meter



Material: PP-R
Colour: green
with 1 red stripe
Standards: DIN EN ISO 15874
DIN 8077 / 8078

Code	Dimension
AQ200P20 ¹⁾	20 x 3,4 mm
AQ200P25 ¹⁾	25 x 4,2 mm
AQ200P32 ¹⁾	32 x 5,4 mm
AQ200P40 ¹⁾	40 x 6,7 mm
AQ200P50 ¹⁾	50 x 8,3 mm
AQ200P63 ¹⁾	63 x 10,5 mm
AQ200P75	75 x 12,5 mm
AQ200P90	90 x 15,0 mm
AQ200P110	110 x 18,3 mm
AQ200P125	125 x 20,8 mm


„K-Fiber Pipe PN 20“
SDR 7,4 - S 3,2
(20°C/2,0 MPa - 70°C/1,0 MPa),
length 4 meter



Material: PP-RCT GF
Colour: green
with 4 red stripes
Standards: DIN EN ISO 15874

Code	Dimension
AQ200F20	20 x 2,8 mm
AQ200F25	25 x 3,5 mm
AQ200F32	32 x 4,4 mm
AQ200F40	40 x 5,5 mm
AQ200F50	50 x 6,9 mm
AQ200F63	63 x 8,6 mm
AQ200F75	75 x 10,3 mm
AQ200F90	90 x 12,3 mm
AQ200F110	110 x 15,1 mm
AQ200F125	125 x 17,1 mm
AQ200F160	160 x 21,9 mm
AQ200F200	200 x 27,4 mm
AQ200F250	250 x 34,2 mm
AQ200F315	315 x 43,1 mm


„K-Fiberclima Pipe PN 16“
SDR 11 - S 5
(20°C/1,6 MPa - 70°C/0,8 MPa),
length 4 meter



Material: PP-RCT GF
Colour: green
with 4 blue stripes
Standards: DIN EN ISO 15874


Code	Dimension
AQ160F20	20 x 2,8 mm
AQ160F25	25 x 3,5 mm
AQ160F32	32 x 2,9 mm
AQ160F40	40 x 3,7 mm
AQ160F50	50 x 4,6 mm
AQ160F63	63 x 5,8 mm
AQ160F75	75 x 6,8 mm
AQ160F90	90 x 8,2 mm
AQ160F110	110 x 10,0 mm
AQ160F125	125 x 11,4 mm
AQ160F160	160 x 14,6 mm
AQ160F200	200 x 18,2 mm
AQ160F250	250 x 22,7 mm
AQ160F315	315 x 28,6 mm

Elbow 45°




Code	Dimension
AQ04520	20
AQ04525	25
AQ04532	32
AQ04540	40
AQ04550	50
AQ04563	63
AQ04575	75
AQ04590	90
AQ045110	110
AQ045125	125
AQ045160 ²⁾	160
AQ045200 ²⁾	200
AQ045250 ²⁾	250
AQ045315 ²⁾	315

Elbow 90° (Female/male)




Code	Dimension
AQ09120	20
AQ09125	25

Reducing tee



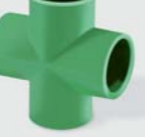
Code	Dimension
AQ1302520	25/20/25
AQ1303220	32/20/32
AQ1303225	32/25/32
AQ1304020	40/20/40
AQ1304025	40/25/40
AQ1304032	40/32/40
AQ1305020	50/20/50
AQ1305025	50/25/50
AQ1305032	50/32/50
AQ1305040	50/40/50
AQ1306320	63/20/63
AQ1306325	63/25/63
AQ1306332	63/32/63
AQ1306340	63/40/63
AQ1306350	63/50/63
AQ1307520	75/20/75
AQ1307525	75/25/75
AQ1307532	75/32/75
AQ1307540	75/40/75
AQ1307550	75/50/75
AQ1307563	75/63/75
AQ1309063	90/63/90
AQ1309075	90/75/90
AQ13011063	110/63/110
AQ13011075	110/75/110
AQ13011090	110/90/110
AQ130125110	125/110/125
AQ13016090 ²⁾	160/90/160
AQ130160110 ²⁾	160/110/160
AQ13020090 ²⁾	200/90/200
AQ130200110 ²⁾	200/110/200
AQ130200160 ²⁾	200/160/200
AQ130250110 ²⁾	250/110/250
AQ130250160 ²⁾	250/160/250
AQ130315110 ²⁾	315/110/315
AQ130315160 ²⁾	315/160/315
AQ130315250 ²⁾	315/250/315

Tee




Code	Dimension
AQ13020	20
AQ13025	25
AQ13032	32
AQ13040	40
AQ13050	50
AQ13063	63
AQ13075	75
AQ13090	90
AQ130110	110
AQ130125	125
AQ130160 ²⁾	160
AQ130200 ²⁾	200
AQ130250 ²⁾	250
AQ130315 ²⁾	315

Cross




Code	Dimension
AQ18025	25
AQ18032	32

Socket




Code	Dimension
AQ27020	20
AQ27025	25
AQ27032	32
AQ27040	40
AQ27050	50
AQ27063	63
AQ27075	75
AQ27090	90
AQ270110	110
AQ270125	125

Cap




Code	Dimension
AQ30120	20
AQ30125	25
AQ30132	32
AQ30140	40
AQ30150	50
AQ30163	63
AQ30175	75
AQ30190	90
AQ301110	110
AQ301125	125
AQ301160 ²⁾	160
AQ301200 ²⁾	200
AQ301250 ²⁾	250
AQ301315 ²⁾	315

Electrofusion socket




Code	Dimension
AQ27120	20
AQ27125	25
AQ27132	32
AQ27140	40
AQ27150	50
AQ27163	63
AQ27175	75
AQ27190	90
AQ271110	110
AQ271125	125
AQ271160	160
AQ271200	200
AQ271250	250
AQ271315	315

Elbow bracket 90° (Female thread)



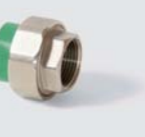
Code	Dimension
AQ090G2012	20 x 1/2"
AQ090G2512	25 x 3/4"
AQ090G2534	25 x 3/4"
AQ090G321	32 x 1"

Adaptor socket (Male thread)




Code	Dimension
AQ243G2012	20 x 1/2"
AQ243G2034	20 x 3/4"
AQ243G2512	25 x 1/2"
AQ243G2534	25 x 3/4"
AQ243G321	32 x 1"
AQ243G40114	40 x 1 1/4"
AQ243G50112	50 x 1 1/2"
AQ243G632	63 x 2"
AQ243G75212	75 x 2 1/2"
AQ243G903	90 x 3"
AQ243G1104	110 x 4"

Metal union with PP-R nut (Female thread)




Code	Dimension
AQ54220	20 x 1/2"
AQ54225	25 x 3/4"
AQ54232	32 x 1"
AQ54240	40 x 1 1/4"
AQ54250	50 x 1 1/2"
AQ54263	63 x 2"

Metal union with PP-R nut (Male thread)




Code	Dimension
AQ54720	20 x 1/2"
AQ54725	25 x 3/4"
AQ54732	32 x 1"
AQ54740	40 x 1 1/4"
AQ54750	50 x 1 1/2"
AQ54763	63 x 2"

Metal union with PP-R nut (Male thread)




Code	Dimension
AQ53720	20 x 1/2"
AQ53725	25 x 3/4"
AQ53732	32 x 1"
AQ53740	40 x 1 1/4"
AQ53750	50 x 1 1/2"
AQ53763	63 x 2"

Tee 90° (Female thread)




Code	Dimension
AQ130G2012	20 x 1/2"
AQ130G2512	25 x 1/2"
AQ130G2534	25 x 3/4"
AQ130G3234	32 x 3/4"
AQ130G321	32 x 1"

Union for watermeters




Code	Dimension
AQ3322012	20 x 1/2"
AQ3322034	20 x 3/4"
AQ3322534	25 x 3/4"

Battery (Female thread)




Code	Dimension
AQ490G2012	20 x 1/2"
AQ490G2512	25 x 1/2"

Weld-in saddle (Male thread)




Code	Dimension
AQ243S406312	40-63 1/2"/25
AQ243S406334	40-63 3/4"/32
AQ243S7512512	75-125 1/2"/25
AQ243S7512534	75-125 3/4"/32

Concealed valve (only upper part) chrome heavy part




Code	Dimension
AQ5993	3/4"

PP-R Ball valve (Ball in brass, chromium plated)




Code	Dimension
AQ85020	20
AQ85025	25
AQ85032	32
AQ85040	40
AQ85050	50
AQ85063	63

Tee 90° (Female thread) for internal valve



Code	Dimension
AQ599A2034	20 x 3/4"
AQ599A2534	25 x 3/4"
AQ599A3234	32 x 3/4"


„K Pipe PN 16“
SDR 11 - S 5
(20°C/1,6 MPa - 70°C/0,8 MPa),
length 4 meter



Material: PP-RCT
Colour: green
with 1 red stripe
Standards: DIN EN ISO 15874
DIN 8077 / 8078

Code	Dimension
AQ16032	32 x 2,9 mm
AQ16040	40 x 3,7 mm
AQ16050	50 x 4,6 mm
AQ16063	63 x 5,8 mm
AQ16075	75 x 6,8 mm
AQ16090	90 x 8,2 mm
AQ160110	110 x 10,0 mm
AQ160125	125 x 11,4 mm
AQ160160	160 x 14,6 mm
AQ160200	200 x 18,2 mm
AQ160250	250 x 22,7 mm
AQ160315	315 x 28,6 mm

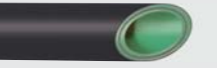
„K Pipe PN 20“
SDR 7,4 - S 3,2
(20°C/2,0 MPa - 70°C/1,0 MPa),
length 4 meter



Material: PP-RCT
Colour: green
with 1 red stripe
Standards: DIN EN ISO 15874
DIN 8077 / 8078

Code	Dimension
AQ20020	20 x 2,8 mm
AQ20025	25 x 3,5 mm
AQ20032	32 x 4,4 mm
AQ20040	40 x 5,5 mm
AQ20050	50 x 6,9 mm
AQ20063	63 x 8,6 mm
AQ20075	75 x 10,3 mm
AQ20090	90 x 12,3 mm
AQ200110	110 x 15,1 mm
AQ200125	125 x 17,1 mm
AQ200160	160 x 21,9 mm
AQ200200	200 x 27,4 mm
AQ200250	250 x 34,2 mm


„K-Fiber UV Pipe PN 20“
SDR 7,4 - S 3,2
(20°C/2,0 MPa - 70°C/1,0 MPa),
length 4 meter



Material: PP-RCT GF
Colour: outside layer black
inside layer green
Standards: DIN EN ISO 15874

Code	Dimension
AQ200FV20	20 x 2,8 mm
AQ200FV25	25 x 3,5 mm
AQ200FV32	32 x 4,4 mm
AQ200FV40	40 x 5,5 mm
AQ200FV50	50 x 6,9 mm
AQ200FV63	63 x 8,6 mm
AQ200FV75	75 x 10,3 mm
AQ200FV90	90 x 12,3 mm
AQ200FV110	110 x 15,1 mm
AQ200FV125	125 x 17,1 mm
AQ200FV160	160 x 21,9 mm

„K Pipe „purple“ PN 10“
SDR 11 - S 5
(20°C/1,6 MPa - 70°C/0,8 MPa),
length 4 meter



Material: PP-R
Colour: outside layer purple
inside layer green
Standards: DIN EN ISO 15874
DIN 8077 / 8078

Code	Dimension
AQ100L20	20 x 1,9 mm
AQ100L25	25 x 2,3 mm
AQ100L32	32 x 2,9 mm
AQ100L40	40 x 3,7 mm
AQ100L50	50 x 4,6 mm
AQ100L63	63 x 5,8 mm
AQ100L75	75 x 6,8 mm
AQ100L90	90 x 8,2 mm
AQ100L110	110 x 10,0 mm
AQ100L125	125 x 11,4 mm
AQ100L160	160 x 14,6 mm

Elbow 45° (Female/male)



Code	Dimension
AQ04120	20
AQ04125	25

Elbow 90°



Code	Dimension
AQ09020	20
AQ09025	25
AQ09032	32
AQ09040	40
AQ09050	50
AQ09063	63
AQ09075	75
AQ09090	90
AQ090110	110
AQ090125	125
AQ090160<	