



since 1981

QUALITY IN PRACTICE



**Products and solutions
for gas distribution networks**

CATALOGUE 2023

QUALITY IN PRACTICE

WEBA is situated about 5 km from the city centre of Poznan, and 300 km from Warsaw and Berlin.

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POLAND

Poznań ●

HUNGARY



INDONESIA

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WEBA PRODUCTION
TECHNOLOGIES



WEBA - one of the largest Polish companies manufacturing products for natural gas distribution networks and house connections. We specialise in providing comprehensive solutions for supplying natural gas and LPG for industrial and residential needs.

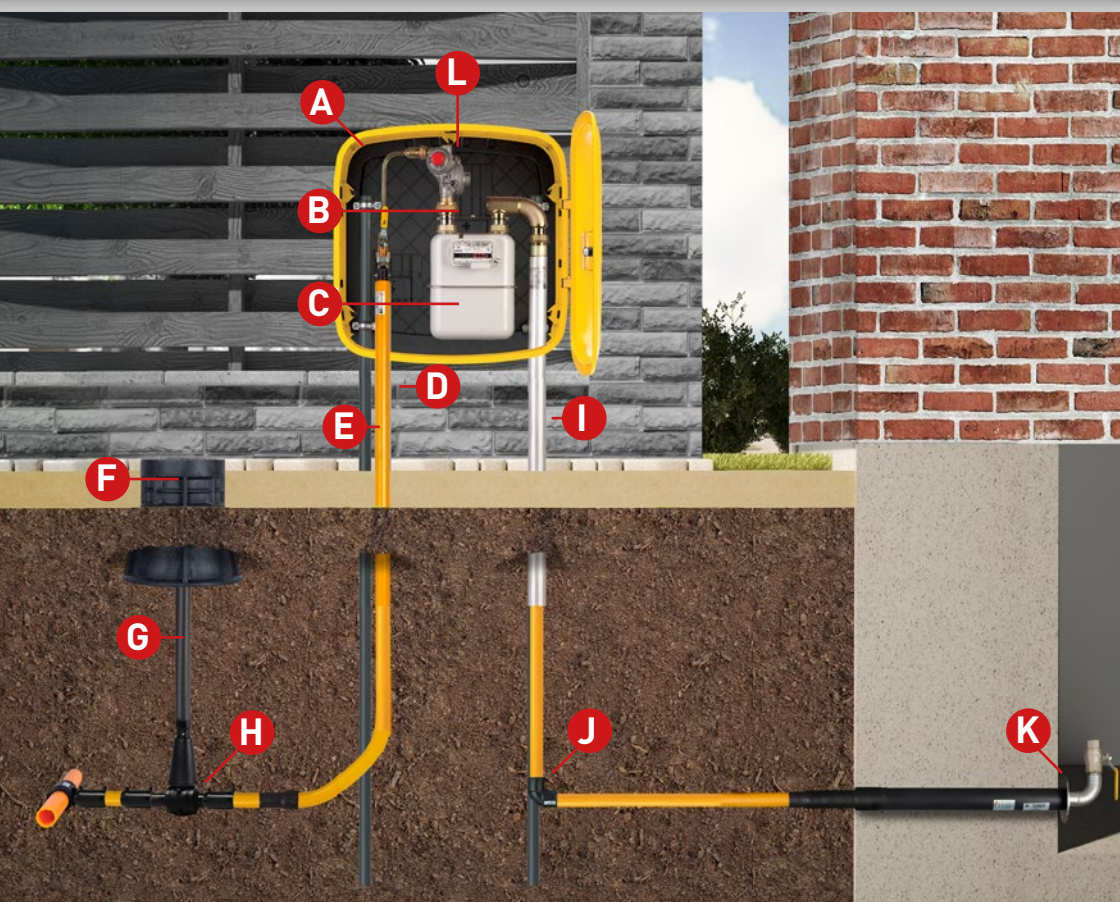
Our company provides all necessary equipment for gas connections in residential, public and industrial buildings. We are also an authorised distributor of PE fittings and gas equipment of well-known European manufacturers.

You can configure with WEBA an optimal set up of brand and system-based solutions for building a complete gas installation.

At the Client's request, we will be happy to suggest the solutions to meet specific, national requirements and practices.



A RESIDENTIAL GAS INSTALLATION SYSTEM



- A** Plastic gas cabinet
- B** Gas meter bar
- C** Gas meter
- D** Gas riser
- E** Stand for plastic gas cabinet
- F** Surface box
- G** Telescopic extension spindle
- H** PE ball valve
- I** PE connection column
- J** Electrofusion fitting
- K** Gas entry pipe
- L** Gas pressure regulator

PLASTIC GAS CABINETS



Technical parameters

Plastic gas cabinets

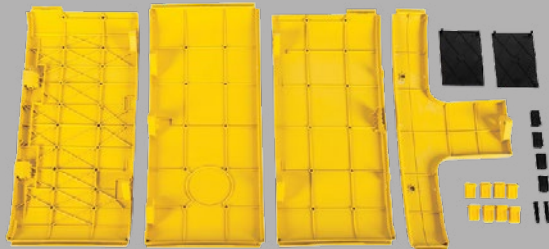
- Injection molded cabinets made from sturdy polypropylene
- Self-extinguishing housing - safety
- Convenient fixing system for fitters
- Universal - fits all gas meters (G1.6/G2,5/G4/G6) and regulators
- Can be used with all elements of typical household gas connection available in the market
- Cheap and simple stand solution for the gas cabinet
- Dimensions: 574 mm (width) x 585 (height) x 245 (depth)

Material: PP **Warranty:** 3 years



DISMANTLING to pieces

Convenient and cheaper shipping, because the parts come disassembled



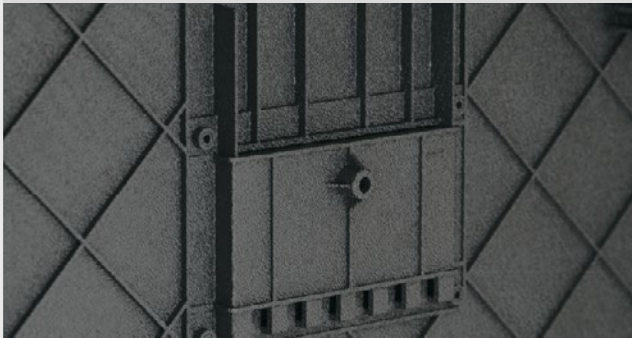
CABINET is assembled once the installation is finished

- The body and the back wall are separate parts
- Time of installation shorter by about 30 minutes



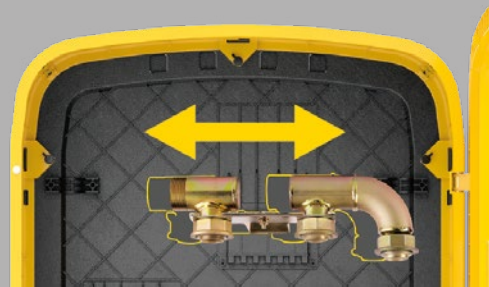
BUILT-IN slot for a gas meter bar

No holes need to be drilled in cabinet for installation



4 CM adjustment range

- The gas meter bar can be moved 4 cm, in either direction, with the gas meter's counter still visible
- Easier installation of the cabinet



ADDITIONAL connection between body and the back wall of the cabinet

- A solution designed to guarantee high reliability and robustness of the cabinet



CONTOURED casing

- The door overlaps the main body, making the cabinet more airtight and waterproof
- Protection of the cabinet against weather conditions

INDEX	COLOUR
06-30-0570-21	yellow
06-30-0570-22	brown
06-30-0570-23	grey



PLASTIC VALVE CABINETS

300 x 340 x 200 mm



GAS CABINETS

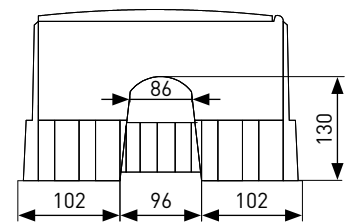
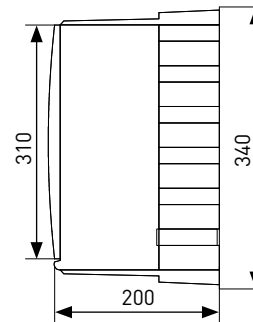
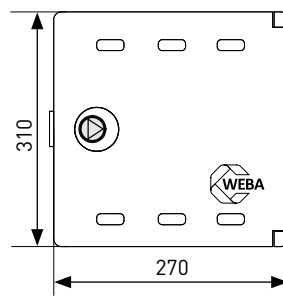
INDEX	COLOUR
06-30-0300-01	yellow
06-30-0300-02	brown
06-30-0300-03	light grey
06-30-0300-04	anthracite
06-30-0300-05	white



Features:

- UV resistant
- Convenient installation on walls
- Convenient mounting after completing the installation
- Available in 5 colours: yellow, brown, light grey, anthracite, white
- Universal application

Warranty: 3 years



PLASTIC GAS CABINET

INDEX	SIZE	COLOUR
06-30-0600-30	600x600x250	yellow
06-30-0600-33	600x600x250	grey



Pedestal

INDEX
06-90-0600-16



Cabinet with pedestal - overall view

PARAMETER	OPTION „A”	OPTION „B”
material	polycarbonate with fiberglass	polypropylene
colour	yellow, grey	yellow, grey
flammability class	B-s2	d0
glow wire flammability index	PN-EN 13591-1+A1	PN-EN 13591-1+A1
UV resistance	UV stabilized	UV stabilized

METAL GAS CABINETS



Technical parameters

- Sheet grade:** DC01
- Thickness:** 0,5/0,7/1,0/1,5 mm
- Zinc coat thickness:** 25 µm
- Paint coat thickness:** min. 60 µm



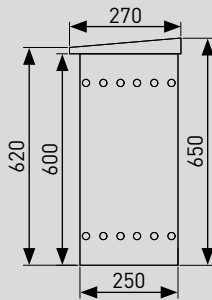
Features:

- Anti-corrosion protection:** double side zinc coated metal sheet
 - 25 µm thick layer and powder coat of at least 60 µm
 - **various colours:** yellow, brown, light grey, anthracite - for standard boxes
- At the Client's request we can make cabinets in any colour.

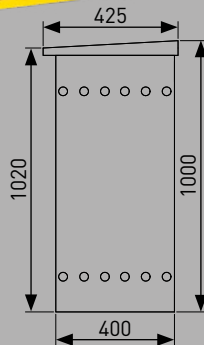
CABINETS WITH CUSTOM DIMENSIONS OR COLOURS AVAILABLE ON REQUEST - CONTACT US

FREE-STANDING GAS CABINETS (WITH BACK WALL)

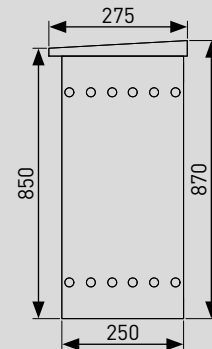
- 1 with slanted roof**
(for 1 gas meter with regulator)
600 x 600 x 250 mm



- 2 with slanted roof**
(for gas installations over 10 m³/h)
1000 x 1000 x 400 mm

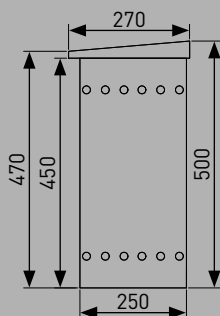


- 3 with slanted roof**
(for 2 vertically mounted gas meters)
700 x 850 x 250 mm

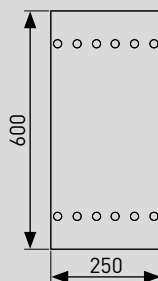


WALL-MOUNTED GAS CABINETS (WITHOUT BACK WALL)

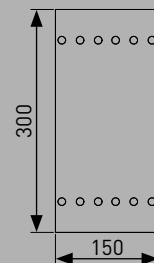
- 4 with slanted roof**
(for 1 gas meter without regulator)
450 x 450 x 250 mm



- 5 with flat roof**
(for 1 gas meter with regulator)
600 x 600 x 250 mm



- 6 with slanted roof**
(for ball valve)
300 x 300 x 150 mm



METAL GAS CABINETS

RECESSED CABINETS

Available standard colours: **1** yellow RAL1021

2 brown RAL8017 **3** light grey RAL7040 **4** anthracite RAL 7016

When placing an order, please replace the X in the index with a digit to indicate the colour:

1 - yellow, 2 - brown, 3 - light grey, 4 - anthracite



PHOTO	COLOUR	INDEX	DIMENSION	DESCRIPTION
01	yellow, brown, light grey, anthracite	06-25-0600-1x	600x600x250 mm	Gas cabinet with slanted roof
	yellow, brown, light grey, anthracite	06-25-0600-2x	600x600x250 mm	Gas cabinet with flat roof
	yellow, brown, light grey, anthracite	06-25-0900-2x	900x850x300 mm	Gas cabinet with slanted roof
02	yellow, brown, light grey, anthracite	06-25-1000-1x	1000x1000x400 mm	Gas cabinet with slanted roof
	yellow, brown, light grey, anthracite	06-25-1050-1x	1050x700x250 mm	Gas cabinet with slanted roof (for two gas meters horizontally)
03	yellow, brown, light grey, anthracite	06-25-0702-1x	700x850x250 mm	Gas cabinet with slanted roof (for two gas meters vertically)
04	yellow, brown, light grey, anthracite	06-25-0450-4x	450x450x250 mm	Gas cabinet with slanted roof
	yellow, brown, light grey, anthracite	06-25-0450-5x	450x450x250 mm	Gas cabinet with flat roof
05	yellow, brown, light grey, anthracite	06-25-0600-4x	600x600x250mm	Gas cabinet with slanted roof
	yellow, brown, light grey, anthracite	06-25-0600-5x	600x600x250 mm	Gas cabinet with flat roof
06	yellow, brown, light grey, anthracite	06-25-0300-3x	300x300x150 mm	Gas cabinet with flat roof
07	yellow, brown, light grey, anthracite	06-25-0250-0x	250x250x250 mm	Recessed cabinet 250x250
07	yellow, brown, light grey, anthracite	06-25-0600-9x	600x600x600 mm	Recessed cabinet 600x600

CABINET STANDS

Available for metal and plastic gas cabinets.

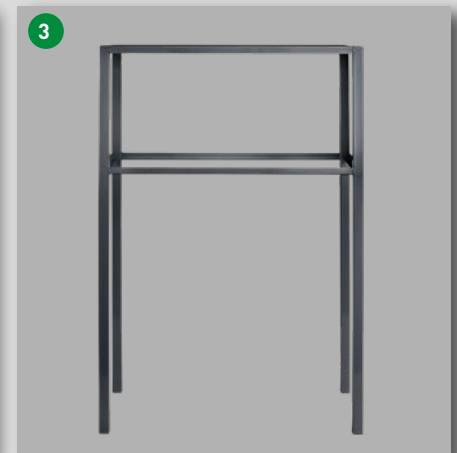
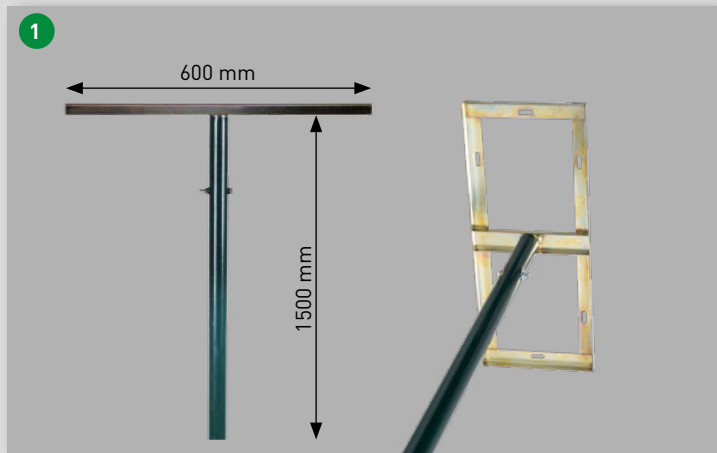


PHOTO	INDEX	DIMENSION	HIGHT	DESCRIPTION
01	06-90-0600-08	600x250 mm	1500 mm	Metal stand for metal cabinets
02	06-90-0600-10	Ø 30	2000 mm	Pipe stand for plastic cabinets
03	06-90-0700-04	700x250 mm	1500 mm	Metal stand for metal cabinets
03	06-90-0900-04	900x300 mm	1500 mm	Metal stand for metal cabinets
03	06-90-1000-10	1000x400 mm	1500 mm	Metal stand for metal cabinets
03	06-90-1050-02	1050x250 mm	1500 mm	Metal stand for metal cabinets

WEBA METER BARS EXAMPLES



Technical parameters

Max. pressure: 10 bar

Max. working temperature: 60 °C

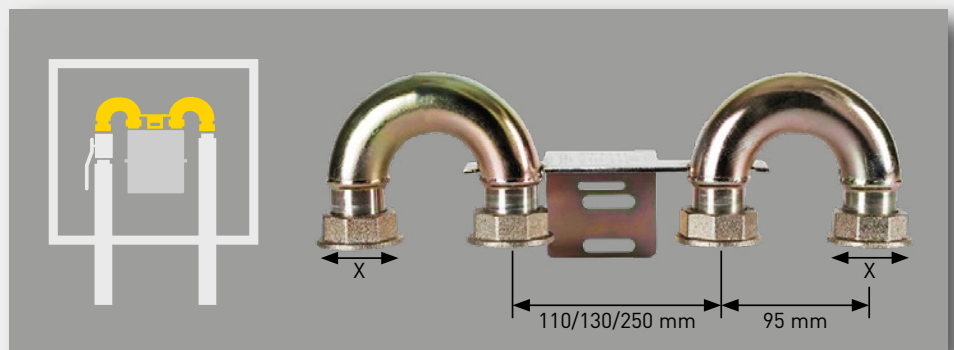
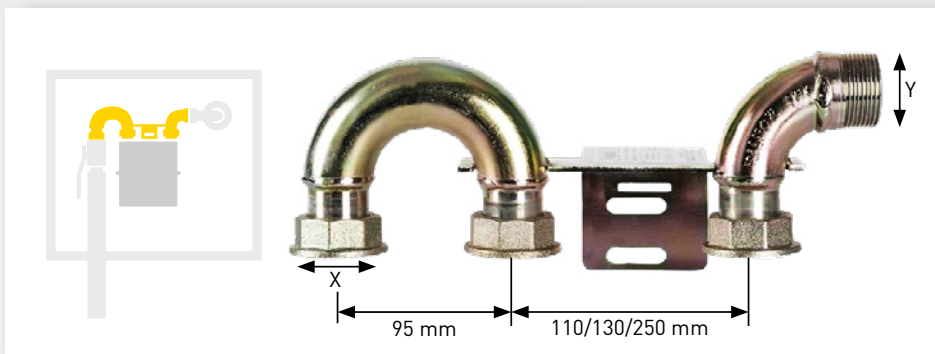
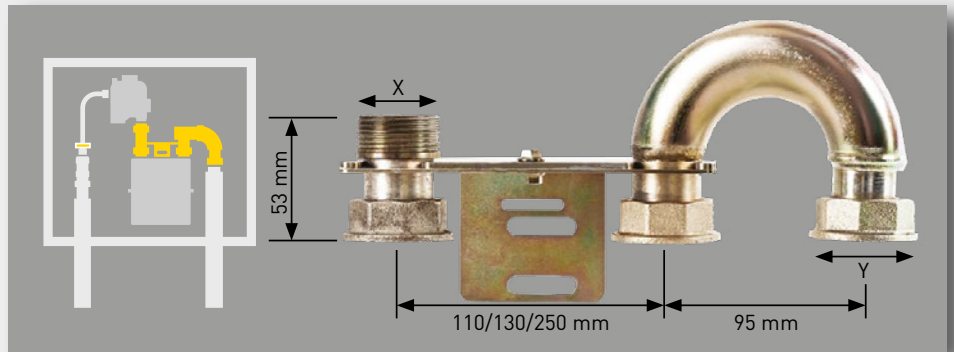
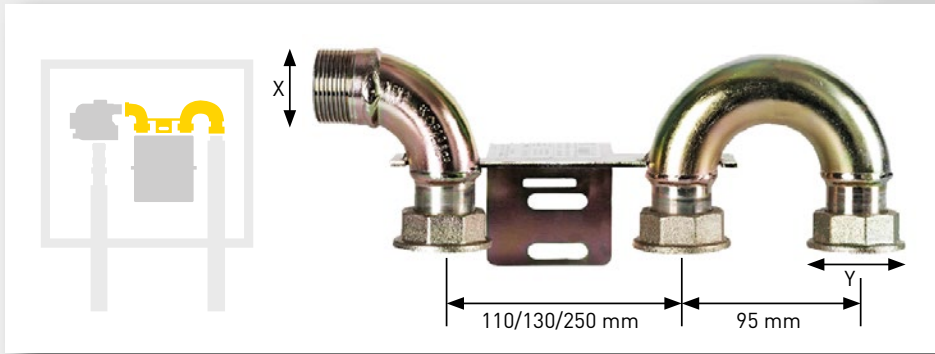
Min. working temperature: -30 °C

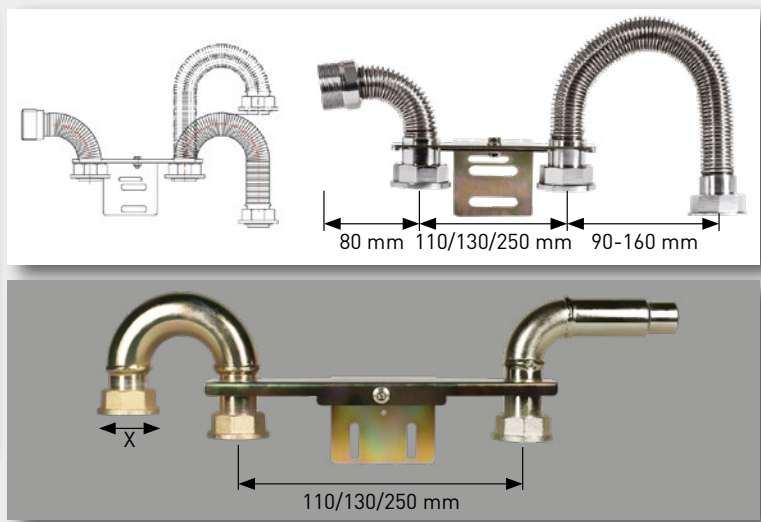
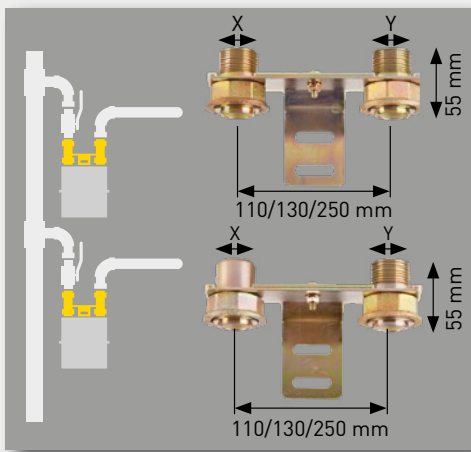
Zinc coating: 8-12 µm

Conforming to: EN ISO 318 3: 2015-5 ; EN 10216-1:2014-2;

EN ISO 228-1:2005; EN ISO 2081:2011; EN 12732+A1:2014-09

At the Client's request, we can make any meter bars to meet specific, national requirements and practices.





WEBA columns advantages

Connection columns by WEBA guarantee safe gas connections, e.g. to regulators in gas meterboxes. A connection column consists of a PE-steel transition unit, protected by an aluminium pipe and insulation foam. The conduit protects the PE pipe from high temperatures, UV radiation and mechanical damage.

Weba connection columns significantly reduce installation time. Our solutions have been tested and proven in hundreds of thousands of gas installations in Poland and abroad and this is why we cover them with 3 year warranty. To eliminate welding, we use compression fittings.

The columns are available in sizes DN25 through DN90, with a choice of ends (flanges, taps, welded etc.)

PE CONNECTION COLUMNS



Technical parameters

- Max. working pressure:** 5 bar
- Max. working temperature:** from -30 °C to +40 °C
- Pipe steel:** L360N
- Conduit pipe:** Aluminium
- Flange steel:** P245GH
- Conforming to:** EN 10208-1, EN 10216-1, EN 12329, EN 1555-2, ISO 17885_2015

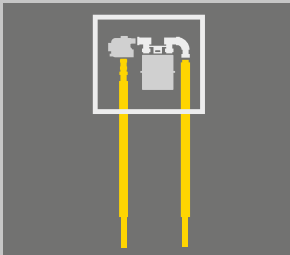
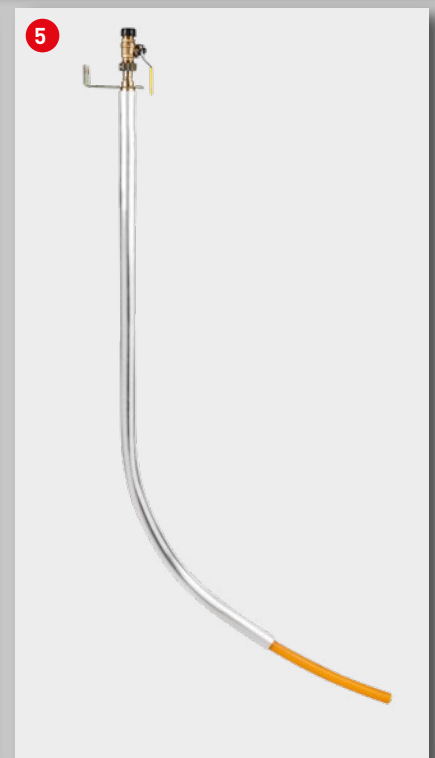
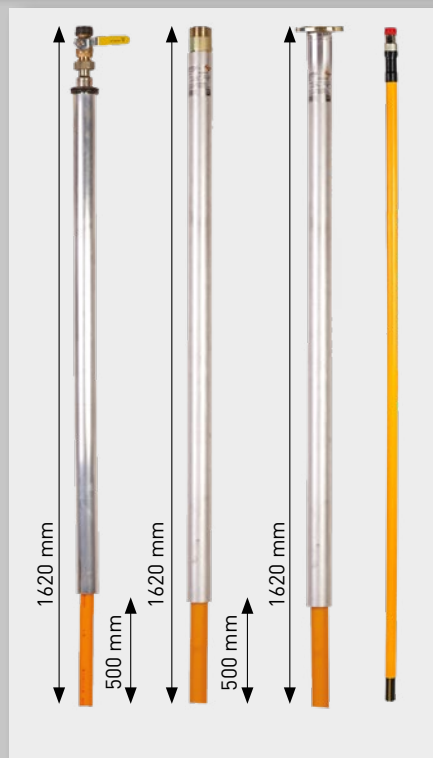


PHOTO	INDEX	Ø PE	ENDING
01	05-30-0025-33	25	ball valve DN15
02	05-30-0032-03	32	thread 1"
02	05-30-0032-02	32	thread 1 1/4"
02	05-30-0040-03	40	thread 1"
02	05-30-0040-04	40	thread 1 1/4"
02	05-30-0040-30	40	thread 1 1/2"
02	05-30-0050-07	50	thread 1 1/4"
02	05-30-0063-04	63	thread 1 1/2"
02	05-30-0063-28	63	thread 1 1/4"
02	05-30-0063-30	63	thread 2"
03	05-30-0040-06	40	flange DN32
03	05-30-0063-51	63	flange DN40
03	05-30-0063-32	63	flange DN50
03	05-30-0090-09	90	flange DN80
04	05-30-0025-63	25	ball valve DN15+bracket
05	05-30-0032-55	32	thread 1"
05	05-30-0032-56	32	thread 1 1/4"
05	05-30-0025-64	25	ball valve DN15
05	05-30-0025-66	25	ball valve DN15+bracket
05	05-30-0025-30	25	loose nut 3/4"
05	05-30-0032-07	32	loose nut 3/4"



PRE-INSULATED GAS RISERS WITH PE-STEEL TRANSITION



Technical parameters

Max. working pressure: 5 bar

Max. working temperature:

for connections with DN15 ball valves: from -20 °C to +40 °C

for connections with flanges and threads: from -30 °C to +40 °C

Insulation: PE - layer

Insulation thickness: at least 2 mm

Coating leak tightness: Voltage 25 kV – 100% trials

Pipe steel: L 360N

Flange steel: P245GH

Riser leak tightness: 10 bar trial - 100% of trials

Conforming to: EN 1092-1+A1:2013-7; EN 1555-2:2012;

EN 12068:2002; EN ISO 3183:2015-5; EN 331:2005,

ISO 17885_2015

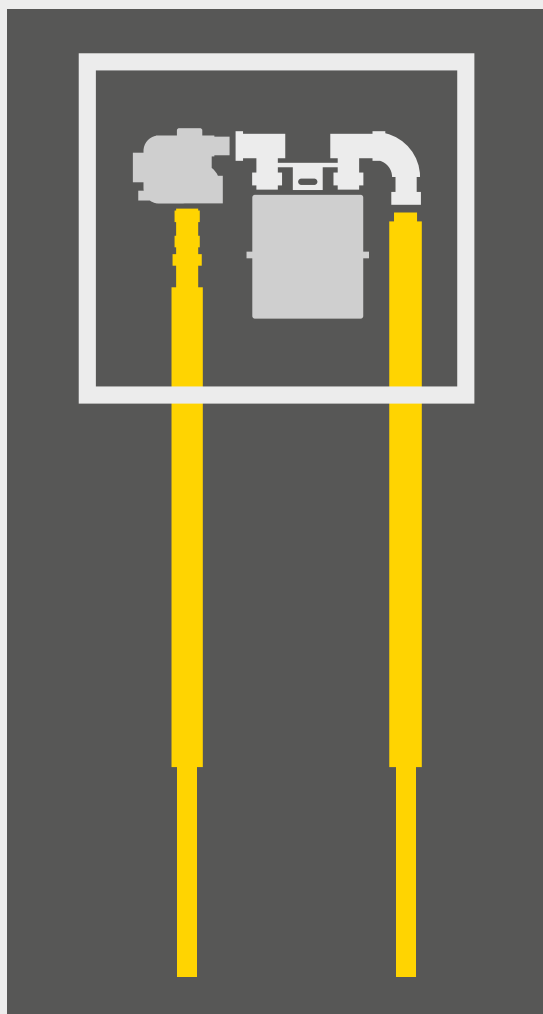
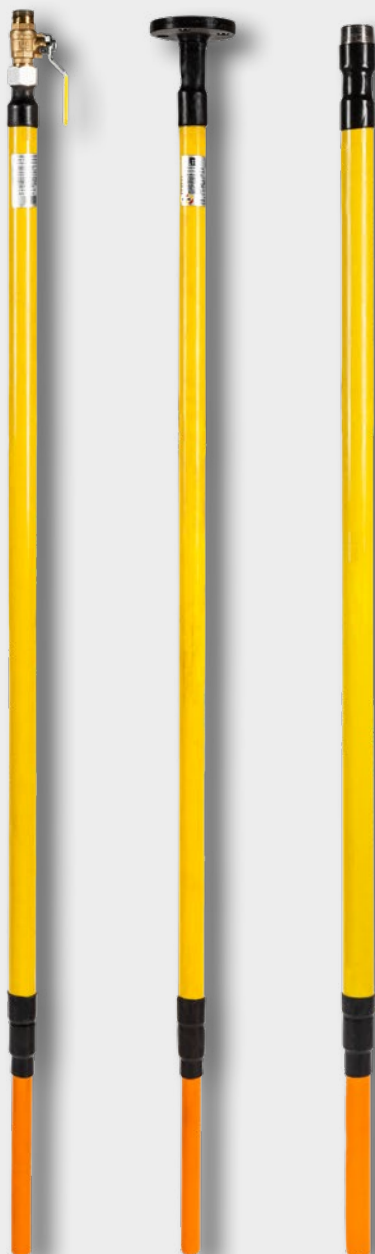


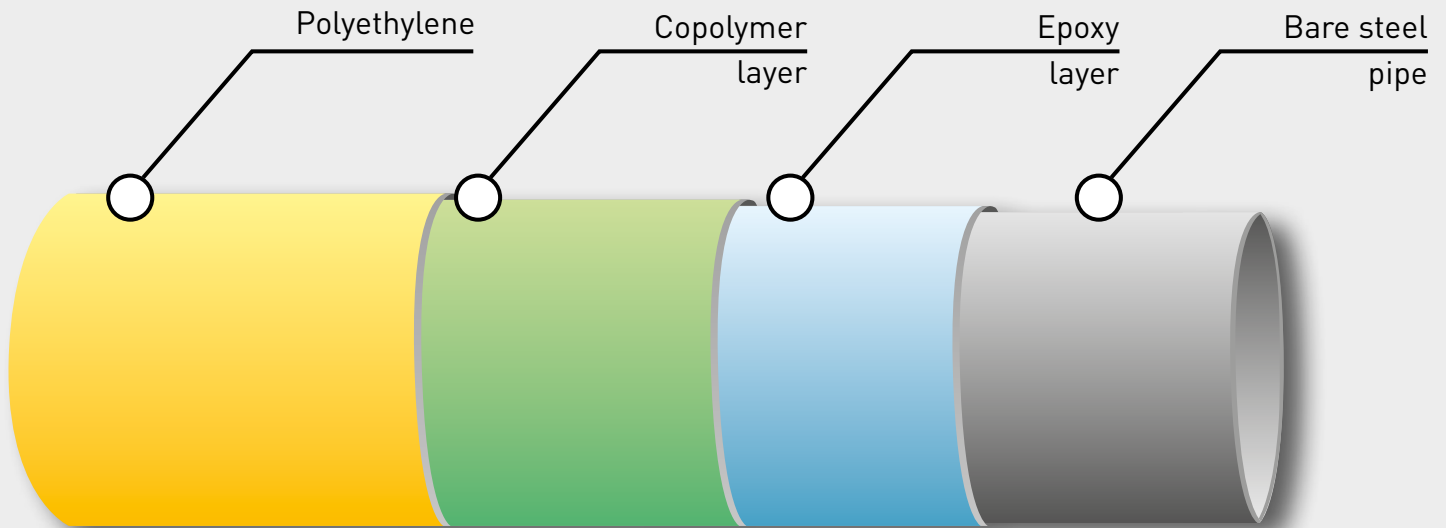
Advantages of WEBA risers

- Insulation resistant to mechanical damage
- 100% guaranteed insulation impenetrability
- The installation is quick and low cost
- Insulation resistance to avalanche breakdown at 25.000 V
- Additional protection by the heat shrink tube

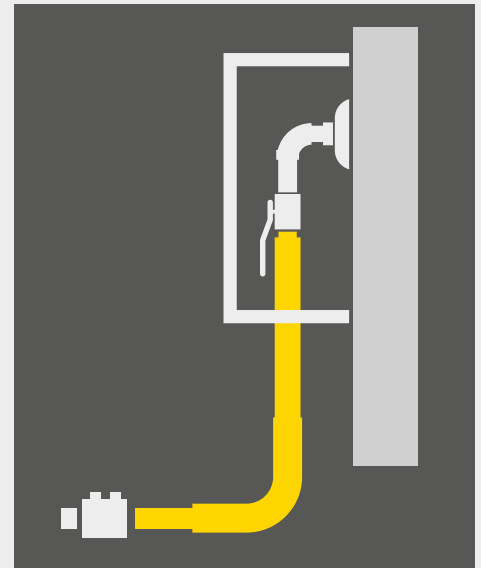
Available in sizes DN25 through DN63, with all sorts of endings (flanges, threads, valves, welding ends, etc.), made from pre-insulated or tape insulated pipes.

Standard lengths: 500 x 1500 or 1500 x 1500. At the Client's request, gas risers can be manufactured in any length.





Intersection of pre-insulated gas riser



GAS ENTRY PIPES



Technical parameters

Max. working pressure:

10 bar for aboveground and
5 bar for underground installations

Pipe steel: L 360N

Conduit pipe: Polyethylene

Zinc coating at least: 8-12 µm

Conforming to: EN ISO 3183:2015-5, ISO 17885_2015

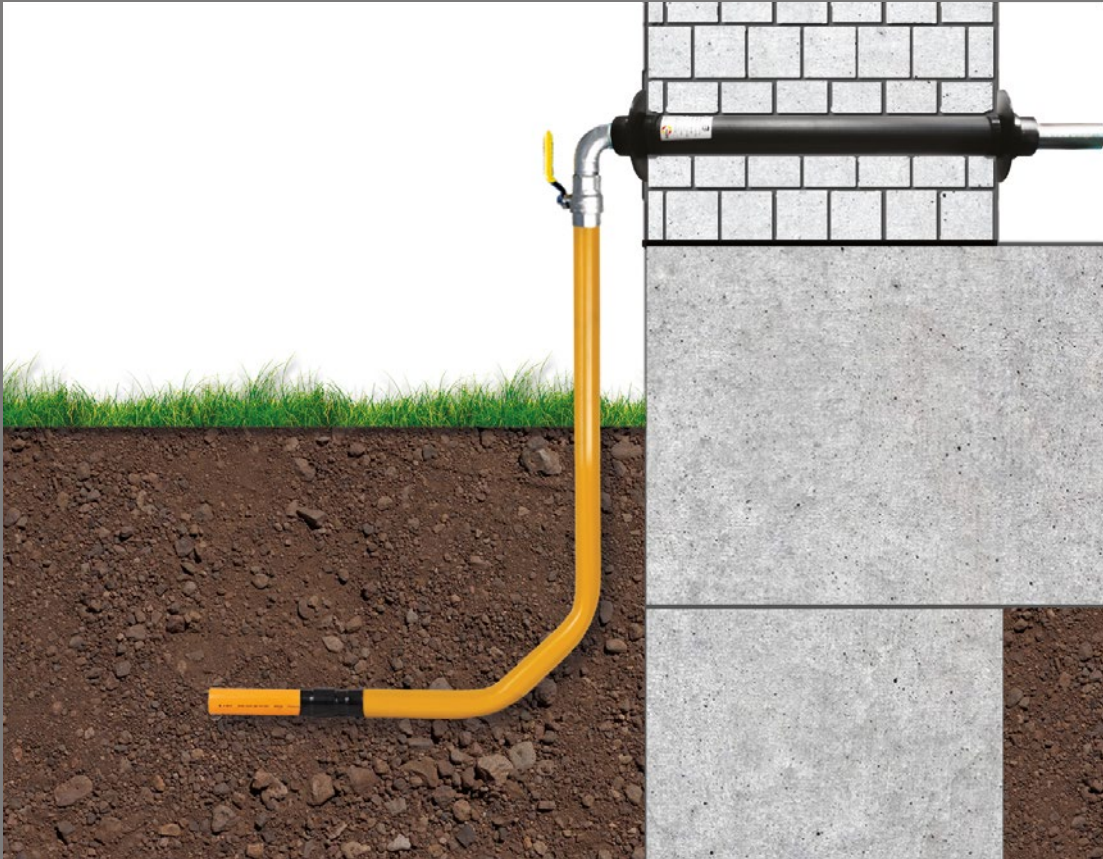


WEBA pipes advantages

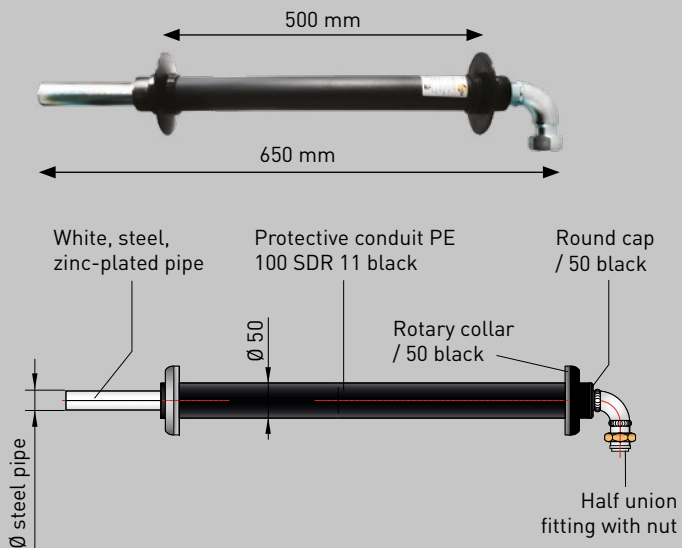
Ready-made, through the wall pipes can be used to introduce gas pipes into buildings in quick and aesthetic manner. The zinc coating and the protective conduit ensure reliability and safety in this crucial stage of installation.

RIGID GAS ENTRY PIPES (ABOVEGROUND ENTRY TO BUILDING)

Different lengths available on request



A DN20, union nut 1", L= 650 mm



B DN25, union nut 1", L=750 mm

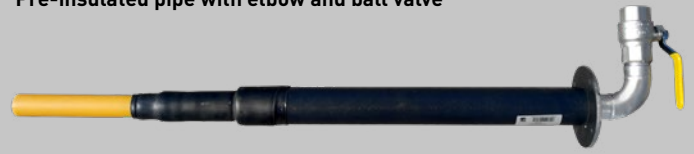


PHOTO	INDEX	Ø STEEL PIPE	LENGTH	UNION NUT
A	05-30-0000-02	DN20	650 mm	1"
B	05-30-0000-31	DN25	750 mm	1"
	05-30-0000-03	DN25	650 mm	1"
	05-30-0000-07	DN25	650 mm	1 1/4"
	05-30-0000-11	DN20	750 mm	1"

RIGID GAS ENTRY PIPES (UNDERGROUND GAS ENTRY TO BUILDING)



C Pre-insulated pipe with elbow and ball valve



D Pre-insulated pipe with PE corrugated protection layer (9 mm)



FLEXIBLE GAS ENTRY PIPES (UNDERGROUND ENTRY TO BUILDING)

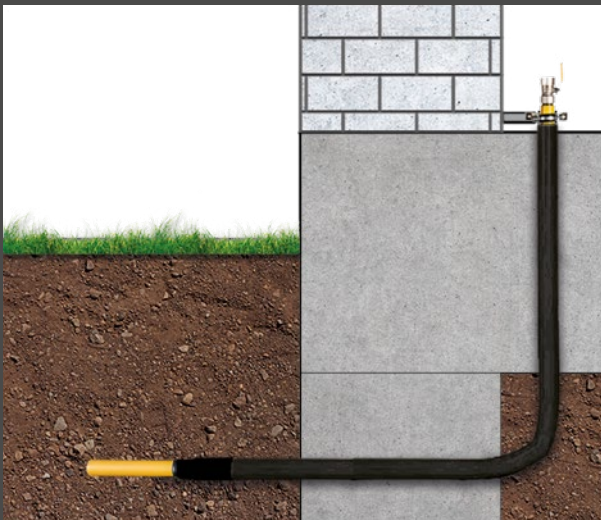
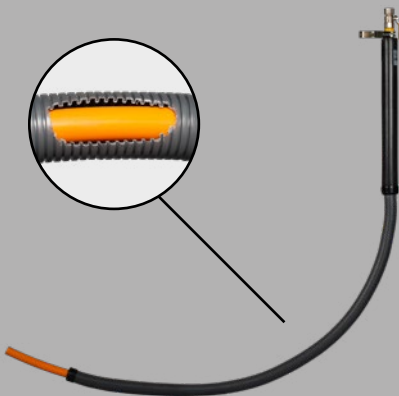
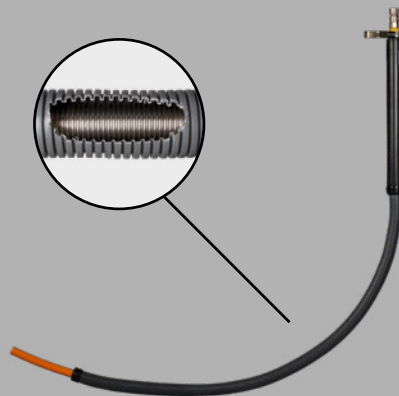


PHOTO	INDEX	Ø STEEL PIPE	Ø PE	ENDING	CORRUGATED PART
C	05-30-0000-18	DN25	32	ball valve 1"	
C	05-30-0000-19	DN32	40	ball valve 1 1/4"	
C	05-30-0000-20	DN50	63	ball valve 2"	
D	05-30-0000-44	DN25	32	female thread 1"	600 mm
D	05-30-0000-43	DN25	32	female thread 1"	1000 mm
D	05-30-0000-46	DN50	63	female thread 2"	600 mm
D	05-30-0000-64	DN50	63	female thread 2"	1000 mm
D	05-30-0000-36	DN25	32	male thread 1"	600 mm
D	05-30-0000-38	DN25	32	male thread 1"	800 mm
D	05-30-0000-37	DN50	63	male thread 2"	600 mm
D	05-30-0000-66	DN50	63	male thread 2"	800 mm

E Pre-insulated with corrugated PCV protective conduit with long PE pipe



F Pre-insulated with corrugated PCV protective conduit with long stainless steel pipe



Pre-insulated pipe with PE corrugated protection layer (9 mm)



PHOTO	INDEX	Ø STEEL PIPE	Ø PE	ENDING	LENGTH
E	05-30-0000-22	DN25	32	ball valve 1"	2150 mm
E	05-30-0000-23	DN32	40	ball valve 1 1/4"	2150 mm
E	05-30-0000-25	DN50	63	ball valve 2"	2150 mm
F	05-30-0000-33	DN25	32	ball valve 1"	2775 mm
F	05-30-0000-34	DN32	40	ball valve 1 1/4"	2775 mm
F	05-30-0000-35	DN32	63	ball valve 2"	2790 mm

Stainless steel pipe covered with tape



PE-STEEL TRANSITIONS



Technical parameters

Max. working pressure: 5 bar

Pipe steel: L360 and P235GH

PE pipe: PE100RC, PE100

Conforming to: EN 1555-2:2012; EN ISO 3183:2015-5 oraz EN 10216-2, ISO 17885

Pre-insulated -
3LPE (three-layer
polyethylene)



Galvanized with
heat shrink tube



Carbon steel pipe
without
zinc coating



with
female thread



with male thread



galvanized with
welding ending



Long, galvanized, carbon steel
pipe with male thread



PE-steel transition
- galvanized



DN25-DN63:
300 mm

DN90-DN250:
400 mm

DN25-DN63:
270 mm

DN90-DN250:
270 mm



DIY version
(do it yourself on site)

FLANGED PE-STEEL TRANSITIONS



Technical parameters

Max. pressure: 10 bar

Working pressure: 5 bar

Pipe steel: L360N

Flange steel: P245GH

PE pipe: PE100 RC

Conforming to: EN 1555-2:2012 ; EN ISO 3183:2015-5;
EN 1092-1+A1:2013-07

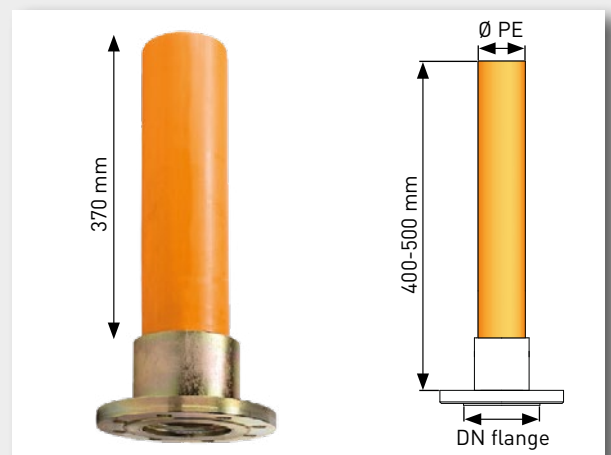


PHOTO	INDEX	DESCRIPTION
A	06-10-0000-01	Body made from PEHD, cast iron lid, GAS
B	06-10-0000-06	Body and lid made from cast iron, GAS
C	06-10-0000-25	Body made from mineral-resin composite, lid from cast iron
D	06-10-0000-22	Body made from PEHD, cast iron lid, GAS
E	06-10-0000-04	Body made from PEHD, cast iron lid, GAS

SURFACE BOXES



For manual cutting off of gas flow through a valve. The columns' height is adjustable, for example 80 cm to 120 cm, and they are lightweight and easy to install. We produce telescopic extension spindles for PE valves and tapping saddles of other producers such as Georg Fischer, Frialen, Plasson, Polytec.

TELESCOPIC EXTENSION SPINDLES



Alternative for cast iron valves. Polyethylene valves are lightweight and hence portable and easy to install. As they are made entirely from PE, there is no need for PE-cast iron connection. This solutions is incomparably more reliable and safer. PE valves have been tested and proven in thousands of installations.

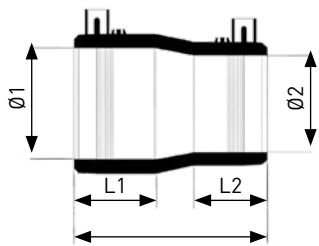
PE VALVES GAS / WATER



INDEX	Ø
04-20-0025-33	DN25
04-20-0032-20	DN32
04-20-0040-32	DN40
04-20-0050-31	DN50
04-20-0063-01	DN63
04-20-0090-07	DN90
04-20-0110-06	DN110

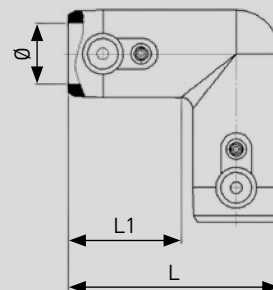
Electrofusion fittings are made from polyethylene (PE100RC) and serve to connect PE pipes used in gas and water installations. A resistance wire is incorporated in such fittings. Once connected to an electrofusion welding machine, current is passed through the wire which heats up the fitting and the pipe to a desired temperature, thus fusing both parts together.

Electrofusion Reducer SDR 11



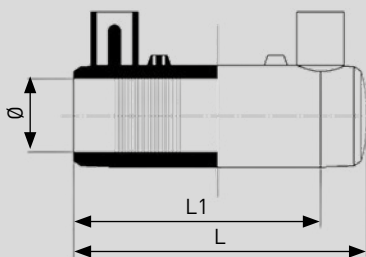
INDEX	Ø1/ Ø2	L (mm)	L1 (mm)	L2 (mm)	weight (g)
02-03-0032-24	32/25	105	39	44	72
02-03-0040-24	40/32	116	41	48	99
02-03-0040-25	40/25	116	41	48	111
02-03-0050-13	50/40	129	48	55	150
02-03-0050-14	50/32	129	48	55	165
02-03-0063-20	63/32	125	42	57	179
02-03-0063-21	63/40	128	49	58	233
02-03-0063-22	63/50	128	49	58	199
02-03-0090-20	90/63	170	58	77	404
02-03-0090-21	90/75	156	69	78	436
02-03-0110-28	110/90	173	75	86	688
02-03-0110-29	110/63	205	73	90	760
02-03-0125-25	125/90	224	89	89	850
02-03-0125-26	125/110	224	89	98	1030
02-03-0160-35	160/110	227	89	115	1736
02-03-0160-36	160/125	233	92	100	1845
02-03-0025-11	25/20	105	39	41	91
02-03-0032-24	32/20	105	39	41	77
02-03-0050-15	50/25	129	41	55	165
02-03-0063-07	63/25	125	42	57	179
02-03-0075-13	75/50	156	58	72	287
02-03-0160-37	160/140	233	95	99	1845
02-03-0140-13	140/125	224	91	98	1429

Electrofusion Elbow 90° SDR 11



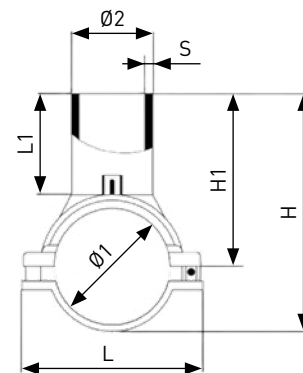
INDEX	Ø	L (mm)	L1 (mm)	weight (g)
02-02-0020-19	20	82	40	75
02-02-0025-22	25	82	40	79
02-02-0032-11	32	86	40	96
02-02-0040-12	40	97	47	143
02-02-0050-14	50	113	53	211
02-02-0063-20	63	141	61	346
02-02-0075-12	75	161	70	584
02-02-0090-41	90	167	65	665
02-02-0110-48	110	200	70	1193
02-02-0125-34	125	230	85	1643
02-02-0140-05	140	238	75	2245
02-02-0160-51	160	273	91	3180

Electrofusion coupler SDR 11



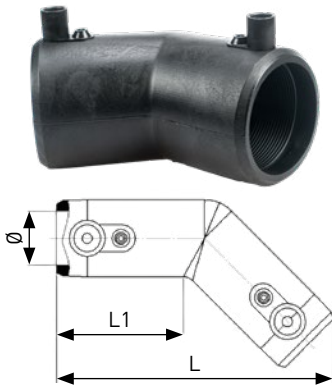
INDEX	Ø	L (mm)	L1 (mm)	weight (g)
02-01-0020-13	20	82	39	45
02-01-0025-15	25	82	39	52
02-01-0032-20	32	74	35	50
02-01-0040-12	40	106	52	89
02-01-0050-09	50	118	57	143
02-01-0063-10	63	121	57	209
02-01-0075-06	75	120	57	284
02-01-0090-11	90	147	71	484
02-01-0110-10	110	148	71	630
02-01-0125-07	125	166	79	885
02-01-0160-10	160	180	87	1540
02-01-0180-08	180	193	94	2173
02-01-0225-08	225	218	106	3505
02-01-0140-01	140	174	84	1445
02-01-0200-04	200	209	102	2366

Electrofusion saddle with clamp SDR 11



INDEX	Ø1/ Ø2	L1 (mm)	H (mm)	weight (g)
02-05-0063-10	63/32	47	170	347
02-05-0075-12	75/32	51	183	359
02-05-0090-07	90/32	91	194	441
02-05-0090-48	90/40	93	194	447
02-05-0110-68	110/32	91	211	489
02-05-0110-55	110/40	93	211	470
02-05-0110-56	110/63	68	211	608
02-05-0125-27	125/32	87	244	587
02-05-0125-41	125/40	97	245	584
02-05-0125-08	125/63	63	245	665
02-05-0160-27	160/32	87	285	682
02-05-0160-06	160/63	69	308	795

Electrofusion Elbow 45° SDR 11



INDEX	Ø	L (mm)	L1 (mm)	weight (g)
02-02-0032-21	32	122	40	69
02-02-0063-19	63	178	61	280
02-02-0075-13	75	183	63	465
02-02-0090-42	90	206	75	597
02-02-0110-47	110	226	74	977
02-02-0125-35	125	231	77	1120
02-02-0160-50	160	295	90	2540
02-02-0025-23	25	104	40	69
02-02-0032-20	32	122	43	91
02-02-0040-02	40	136	48	132
02-02-0050-15	50	154	54	190

NEW

PE ELECTROFUSION FITTINGS - BY WEBA GAS / WATER

Electrofusion End Cap SDR11



INDEX	Ø	L (mm)	L1 (mm)	weight (g)
02-04-0025-11	25	83	40	54
02-04-0032-10	32	89	43	68
02-04-0040-14	40	79	48	100
02-04-0050-12	50	120	53	149
02-04-0063-10	63	124	62	251
02-04-0090-11	90	150	77	542
02-04-0110-11	110	151	82	762
02-04-0125-10	125	204	79	1421
02-04-0160-09	160	221	87	2580
02-04-0075-01	75	124	70	344

PE-Brass adaptors



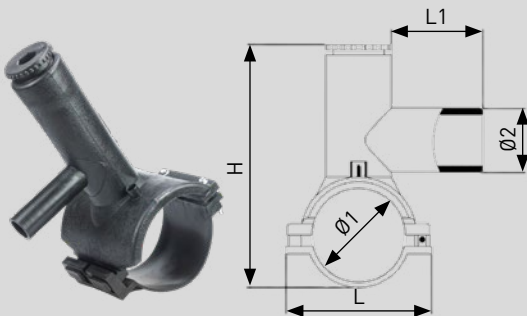
male thread

INDEX	Ø PE x thread
02-50-0025-10	25 x 3/4"
02-50-0032-08	32 x 1"
02-50-0032-11	32 x 5/4"
02-50-0032-12	32 x 1 1/2"
02-50-0040-10	40 x 1"
02-50-0040-11	40 x 5/4"
02-50-0040-12	40 x 1 1/2"
02-50-0050-08	50 x 1"
02-50-0050-09	50 x 5/4"
02-50-0050-10	50 x 1 1/2"
02-50-0063-02	63 x 5/4"
02-50-0063-03	63 x 1 1/2"
02-50-0063-04	63 x 2"

female thread

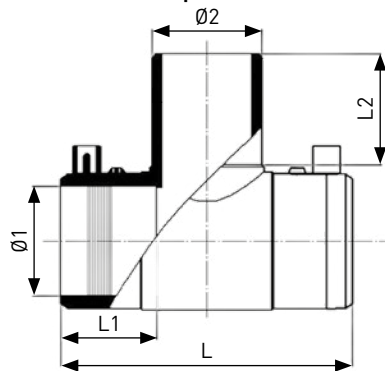
INDEX	Ø PE x thread
02-50-0032-13	32 x 1"
02-50-0040-13	40 x 5/4"
02-50-0050-11	50 x 1 1/2"
02-50-0063-05	63 x 1"
02-50-0063-06	63 x 5/4"
02-50-0063-07	63 x 1 1/2"
02-50-0063-08	63 x 2"

Electrofusion Tapping Tee SDR 11



INDEX	Ø1/ Ø2	L (mm)	H (mm)	weight (g)
02-05-0090-04	90/32	90	252	866
02-05-0090-06	90/63	90	257	860
02-05-0110-29	110/40	106	271	880
02-05-0110-53	110/63	98	270	910
02-05-0110-54	110/32	79	271	995
02-05-0125-16	125/32	91	315	1010
02-05-0125-20	125/63	90	315	1020
02-05-0125-25	125/40	101	315	1075
02-05-0160-03	160/63	103	326	1091
02-05-0160-37	160/32	63	323	1182
02-05-0225-15	225/63	128	345	1381

Electrofusion Tee Equal SDR11



INDEX	Ø1/ Ø2	L (mm)	L1 (mm)	L2 (mm)	weight (g)
02-05-0025-16	25/25	107	39	41	78
02-05-0032-19	32/32	118	41	44	108
02-05-0040-26	40/40	138	49	49	176
02-05-0050-31	50/50	159	55	55	248
02-05-0063-49	63/63	161	49	63	457
02-05-0090-55	90/90	224	70	79	999
02-05-0110-77	110/110	242	72	82	1396
02-05-0125-52	125/125	272	72	87	1870
02-05-0020-17	20/20	100	37	39	73
02-05-0075-06	75/75	194	66	68	665

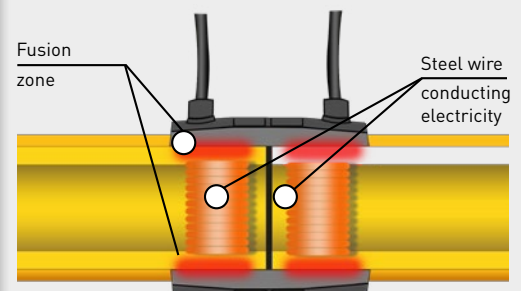
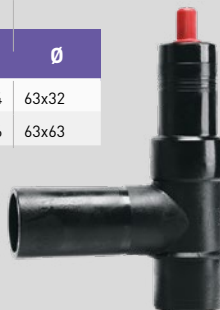
Repair clamps



INDEX	Ø
02-01-0063-05	63
02-01-0090-05	90
02-01-0110-08	110
02-01-0125-03	125
02-01-0160-06	160
02-01-0180-04	180
02-01-0200-07	200
02-01-0225-06	225

Valves for drilling under pressure

INDEX	Ø
04-20-0063-04	63x32
04-20-0063-06	63x63



ELECTROFUSION WELDING MACHINES



Electrofusion welding machines can be used for electrofusion fittings offered by any manufacturer. When selecting a welding device, its power rating must be taken into consideration, as it determines what diameters can be welded.

We recommend welding machines with code readers to help automate and speed up the welding.

A Electrofusion welding machine ZK 90 PRO



B Electrofusion welding machine ZK 160 PRO



C Electrofusion welding machine ZT 6000



D Electrofusion welding machine ZK 315 PRO



E Electrofusion welding machine ZK 400 PRO



F Electrofusion welding machine ZK 6000



G Code reader for welders



PHOTO	INDEX	DESCRIPTION
A	09-10-0000-53	Electrofusion welding machine ZK 90 PRO
B	09-10-0000-54	Electrofusion welding machine ZK 160 PRO
D	09-10-0000-55	Electrofusion welding machine ZK 315 PRO
E	09-10-0000-56	Electrofusion welding machine ZK 400 PRO
D	09-10-0000-52	Electrofusion welding machine ZK 6000
F	09-10-0000-47	Electrofusion welding machine ZT 6000
G	09-10-0000-52	Barcode reader for ECO and PRO welding machines
	09-10-0000-47	Barcode reader for ZK 6000 and ZT 6000 welding machines

ELECTROFUSION WELDING MACHINES



TYPE	ZK90PRO	ZK160PRO	ZK315PRO	ZK400PRO
Max. welding diameter	125 mm*	160 mm*	355 mm*	400 mm*
Max. drawn power [W]	1500	2000	2600	3300
Recommended power generator [kW]	3	3,5	4,8	6
Supply voltage	230 V ±15%	230 V ±15%	230 V ±15%	230 V ±15%
Supply voltage frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Welding voltage	8-48 V	8-48 V	8-48 V	8-48 V
Automatic setting [barcode input manually]	YES	YES	YES	YES
Automatic setting [barcode scanned with a reader]	YES	YES	YES	YES
Manual setting	YES	YES	YES	YES
Uploading data to a pendrive	YES	YES	YES	YES
Welding memory capacity	4000	4000	4000	4000
Software for generating welding protocols	YES (for download)	YES (for download)	YES (for download)	YES (for download)
Alphanumeric display, 4 rows x 20 characters	YES	YES	YES	YES
Power supply parameters [voltage, frequency] viewed on the display	YES	YES	YES	YES
Browsing the history of completed welds on the display	YES	YES	YES	YES
Alphanumeric keyboard for inputting the operator's data, weld location and description	YES	YES	YES	YES
Manual input of the weld's GPS data taken from an external receiver	YES	YES	YES	YES
Built-in GPS for automatic saving of the weld's GPS coordinates	option	option	option	option
Power cord length [m]	3	3	3	3
Heating cord length [m]	3	3	3	3
Dimensions [mm]	470 x 365 x 190	470 x 365 x 190	470 x 365 x 190	470 x 365 x 190
Protection class	IP 54	IP 54	IP 54	IP 54
Appliance class	I	I	I	I
Weight [kg]	16	19,8	22	27
Warranty [months]	24	24	24	24

*The specified scope of welded diameters is only for information purposes. Electrofusion fittings of the same diameter, but made by different manufacturers, may require higher or lower welding power.

BALL VALVES



PHOTO	INDEX	DESCRIPTION	THREADS/FLANGE
A	04-20-0015-03	Sphero-conical valve DN15	male 3/4" x male 3/4"
A	04-20-0020-08	Sphero-conical valve DN20	male 1" x male 1"
B	04-20-0015-11	Ball valve	female 1/2" x female 1/2"
B	04-20-0020-13	Ball valve	female 3/4" x female 3/4"
B	04-20-0025-14	Ball valve	female 1" x female 1"
B	04-20-0032-14	Ball valve	female 1 1/4" x female 1 1/4"
B	04-20-0040-11	Ball valve	female 1 1/2" x female 1 1/2"
B	04-20-0050-08	Ball valve	female 2" x female 2"
C	04-20-0020-01	Flanged ball valve with threaded holes PN16, with handle	DN20
C	04-20-0025-32	Flanged ball valve with threaded holes PN16, with handle	DN25
C	04-20-0032-17	Flanged ball valve, PN16	DN32
C	04-20-0040-01	Flanged ball valve, PN16	DN40
C	04-20-0050-01	Flanged ball valve with handle, PN16	DN50
C	04-20-0065-01	Flanged ball valve with handle, PN16	DN65
C	04-20-0080-01	Flanged ball valve with handle, PN16	DN80
C	04-20-0100-01	Flanged ball valve, PN16	DN100
C	04-20-0125-02	Flanged ball valve, PN16	DN125
C	04-20-0150-01	Flanged ball valve, PN16	DN150



GATE VALVES

Gate valves by JAFAR – flanged gate valves available in sizes DN 40 through DN 300, gate valves with PE ends available in sizes: PE 32 DN 25, PE40 DN 32, PE 63 DN 50.

We select optimal valve columns during the execution of the project.



Technical parameters (JAFAR)

- Max. pressure:** 10 bar
- Leak tightness class:** A
- Max. working temperature:** 40 °C
- Min. working temperature:** -10 °C
- Nodular cast iron:** EN-GJS-400-15
- Seals:** RUBBER (NBR)
- Conforming to technical approval:** AT/97-04-0047
- Certificate:** UDT-CERT CSJ/122/2010
- Conforming to:** PN-EN 13774:2013
- Corrosion protection conforming to:** PN-EN ISO12944-5:2009



Gas filters:

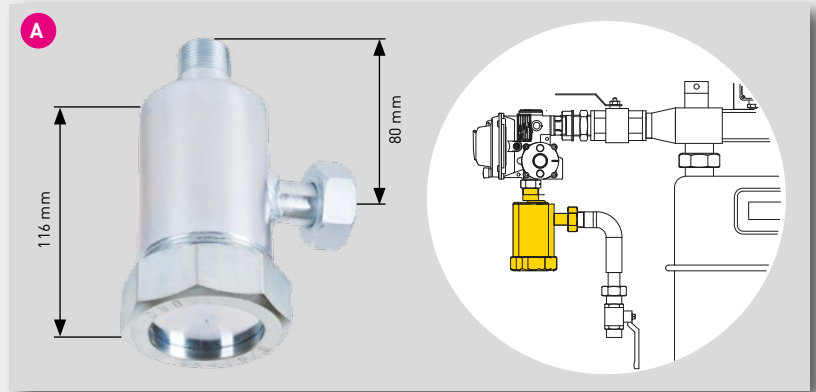
- for filtering gas, protecting gas meters, reducers and gas receivers from damage
- rotating flanges for choosing any position
- angled gas filters are available at request

WEBA ANGLE GAS FILTER DN15



Technical parameters

- Inlet:** union pipe 3/4"
- Outlet:** taper thread 3/4"
- Filtering class:** 99,9% particles bigger than 5 µm
- Working pressure:** 6,4 bar
- Max. working temperature:** +50 °C
- Min. working temperature:** -20 °C
- Zinc coating:** 8 - 12 µm
- Certificate:** CJS/122/2020
- Conforming to:** 2014/68/UE directive standard



WEBA GAS FILTERS



PHOTO	INDEX	DESCRIPTION	H
A	20-09-0015-20	Gas filter DN15, male thread 3/4" x loose nut 3/4"	
B	20-09-0025-11	Gas filter DN25, flange - straight	280 mm
B	20-09-0032-12	Gas filter DN32, flange - straight	280 mm
B	20-09-0025-15	Gas filter DN40, flange - straight	280 mm
C	20-09-0050-01	Gas filter DN50, flange - straight	350 mm
C	20-09-0050-04	Gas filter DN65, flange - straight	350 mm
D	04-70-0080-04	Gas filter DN80, flange - straight	400 mm
D	04-70-0100-04	Gas filter DN100, flange - straight	450 mm
D	04-70-0150-04	Gas filter DN150, flange - straight	600 mm
E	04-70-0020-01	Gas filter DN20	81 mm

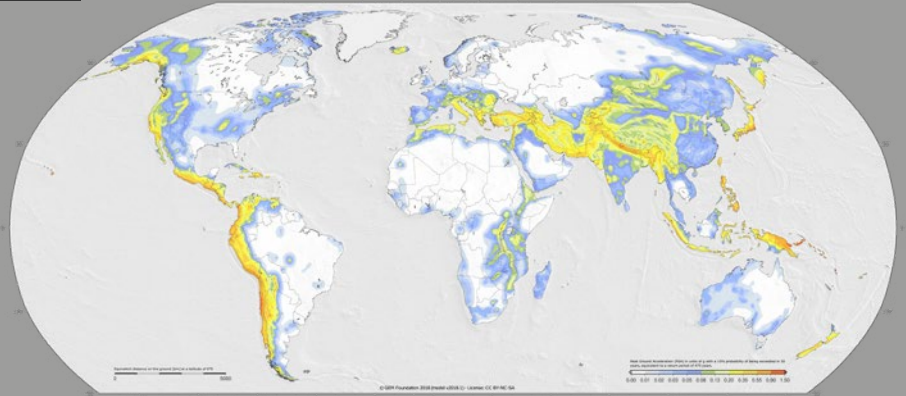


ANTI-SEISMIC SOLUTIONS



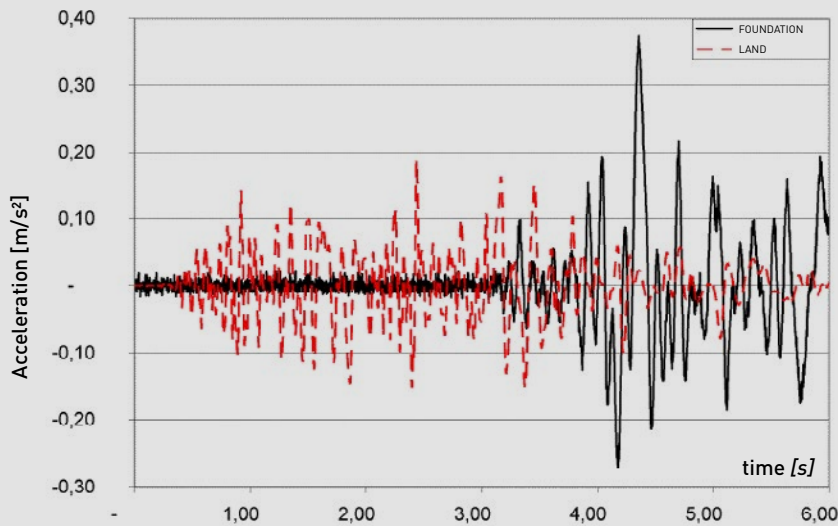
Weba provides innovative solutions, from design, through implementation for residential and industrial gas installations, to downstream gas network owners.

Together with the Poznan University of Technology and the Indonesian National Gas Company (PGN), we designed and tested gas installations for seismic areas.

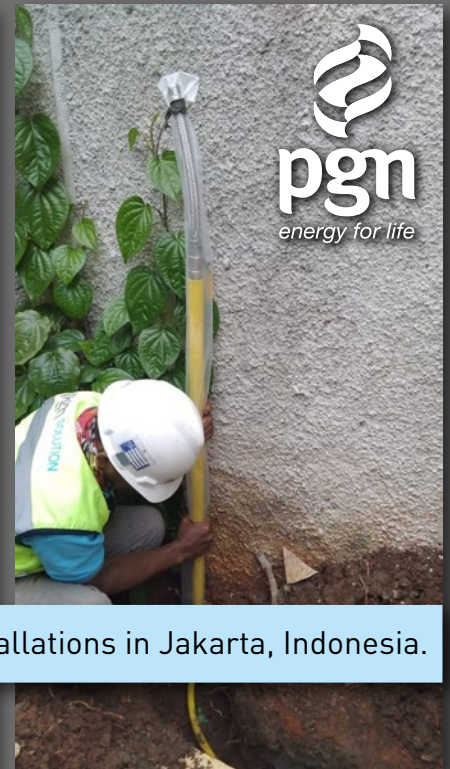


Global Seismic Hazard Map via www.globalquakemodel.org/gem

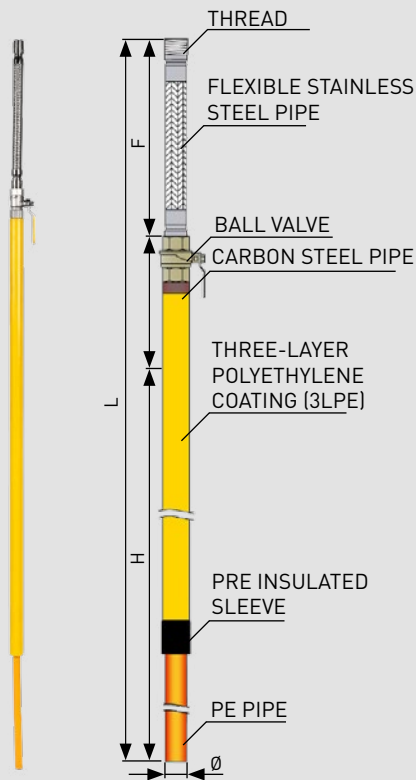
The completed examination confirmed that rigid connections depressurised relatively quickly in case of an earthquake, namely after 1-3 cycles. The examined Weba flexible connection itself did not depressurise after 22 load cycles.



Comparison of accelerations recorded at ground level and foundation level of building



Pilot project of anti-seismic installations in Jakarta, Indonesia.



Anti-seismic preinsulated gas riser

Diagram of an anti-seismic residential installation by Weba




Weba introduces anti-seismic components to protect residential and industrial gas installations from severe damages during earthquakes by absorbing input seismic energy. This is done by placing flexible compensating pipes or expansion joints between fixed elements of the installation most vulnerable to damage, especially in the case of minor tremors, often repeated for many years.

This innovative solution provides not only structural safety, but also safety and security for people and protection to other gas devices.



Advantages:

- Most cost effective seismic solution on the market
- Ready-made products can be used to connect gas pipeline with gas installation inside building in quick and safe manner
- Compensating pipe and expansion joint helps to eliminate the problem of mechanical stress resulting from earthquakes
- All elements of the installation create a unique, comprehensive system and are matched in technical and visual terms
- Protection to other gas devices (gas pressure regulator, gas meter etc.).
- Significantly extends the service life of the gas meter and regulator



**High standards, extensive know-how,
passion for innovation and the drive
for continuous improvement of our products!**

Weba specializes in manufacturing household gas points, measuring and reducing stations (MRS) and reducing stations (RS), along with gas trains in various combinations, specifically designed to satisfy relevant, state regulations.

We have an exceptionally strong offer of low and medium pressure installations up to 16 bar.

We can modify any point to satisfy specific requirements of individual clients by choosing:

- adequate cabinets made from proper materials (plastic, steel, stainless steel, composite, etc.), in correct dimensions, colour and types (free-standing, wall-mounted)

- adequate gas pressure regulators or governors, to accommodate the designed inlet and outlet pressure and flow

- optimal gas meters (diaphragm, turbine, rotor)

- inlet and outlet connections - various types of threaded and flanged steel pipes, PE connection columns, PE-steel transitions, anti-seismic solutions

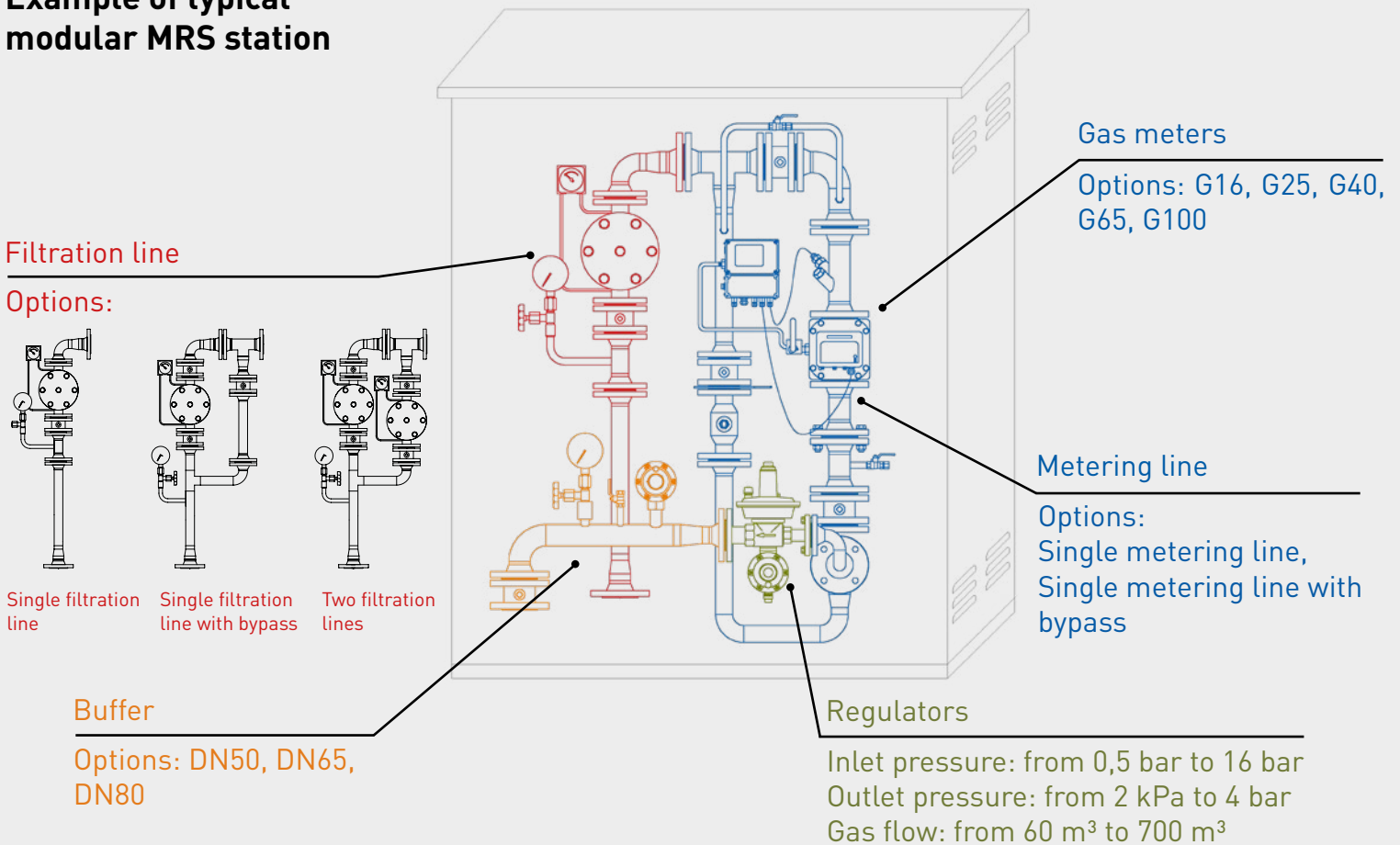
- type of inlet and outlet to and from the point (threaded, flanged), in diameters requested by the client, with additional accessories such as pressure gauge valves, manometers, filters, thermal fittings, insulating flanges, various ball valves

- measuring-reducing-filtering systems (with single and dual lines, bypasses)

WEBA modular design of MRS and RS stations

it is an approach that subdivides a system into smaller parts called modules or LEGO bricks, that can be independently created and then used in different systems. Certain modules can be added or removed without altering the rest of MRS station.

Example of typical modular MRS station



Advantages:

- By exchanging reducing system and gas meter you can easily increase max gas output, for example, from 60 m³ to 700 m³ without changing the whole MRS station
- High quality and competitive price due to serially manufactured modules
- Predictable cabinet size
- Optional extension of extra equipment without replacing the cabinet
- Years of experience in the European Union
- Similar design of many MRS stations helps local technicians to provide service quickly and easy (shorter learning time)
- In case of faulty component in MRS station it is possible to replace it very fast– you can simply take it from spare parts warehouse
- Flexibility in design – you can plan the design of MRS station based on current gas demand and simply increase it in the future once the demand is higher, by replacing certain modules

EXAMPLES OF HOUSEHOLD POINTS AND GAS METER BARS







Robot welding



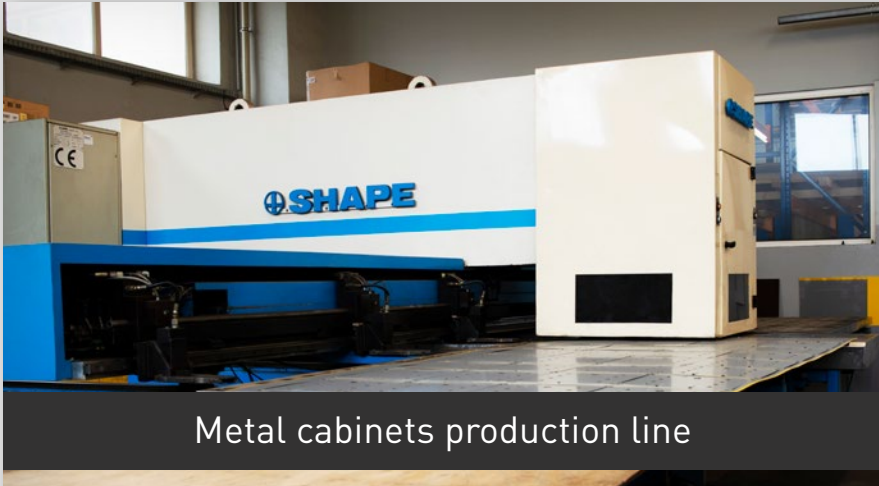
Manual welding



CNC machining with robotic feeding system



Sandblasting



Metal cabinets production line



Powder coating and wet painting finishing

Automated robotic production line





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