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Spare parts

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Technical information

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Overview



Design features

Ductile iron valve

- Resilient seated gate valve with smooth and straight-through bore
- Flange valve
- Valve with ISO-fitting
- Valve with thread
- Service valve for PE fusion
- Service valve
- Service valve with drainage
- 2 O-rings mounted on all sides in rust-proof material
- · Spindle bearing made of brass
- Threaded connection for extension spindle
- Suitable for all underground installations
- For service connection fittings made of ductile iron with external thread, the free lying threads must be protected against corrosion according to trade regulations after assembly

Material | Technical features

- 12 **Body (1), bonnet (2)** made of ductile iron, epoxy powder coated inside and out (see page 4)
- 3 Wedge made of brass, with vulcanised elastomer
- 4 Stainless steel spindle with rolled thread and flat-rolled sealed sliding surface
- 5 Spindle bearing (O-ring carrier) made of brass
- 6 O-rings made of elastomer
- 7 Back seat made of elastomer
- 8 Retaining ring made of stainless steel
- 9 Bonnet gasket made of elastomer
- 10 Internal hexagonal screws recessed and absolutely corrosion protected through casting compound
- 11 Wiper ring made of elastomer

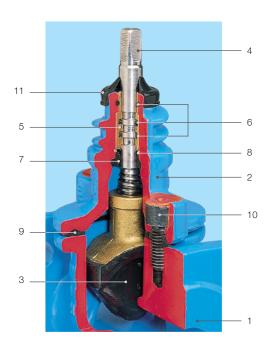
Design features

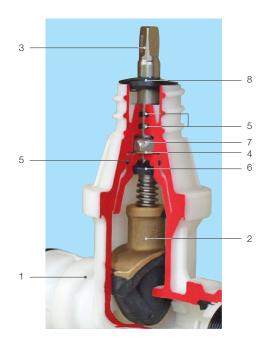
Valve made of POM

- Resilient seated gate valve with smooth and straight-through bore
- Valve with ISO-fitting
- Valve with Hawle-Fit socket
- Valve with thread
- Service valve for PE fusion
- Service valve
- Bonnet with body homogeneously connected through rotational welding
- 2 O-rings for spindle sealing
- Spindle bearing made of brass
- Overload protection
- Threaded connection for extension spindle
- Suitable for all underground installations

Material | Technical features

- 1 **Body** made of POM
- 2 Wedge made of brass, with vulcanised elastomer
- 3 Stainless steel spindle with rolled thread and flat-rolled sealed sliding surface
- Spindle bearing made of brass
- 5 **O-rings** made of elastomer
- 6 Back seat made of elastomer
- 7 Overload protection made of stainless steel
- Wiper ring made of elastomer

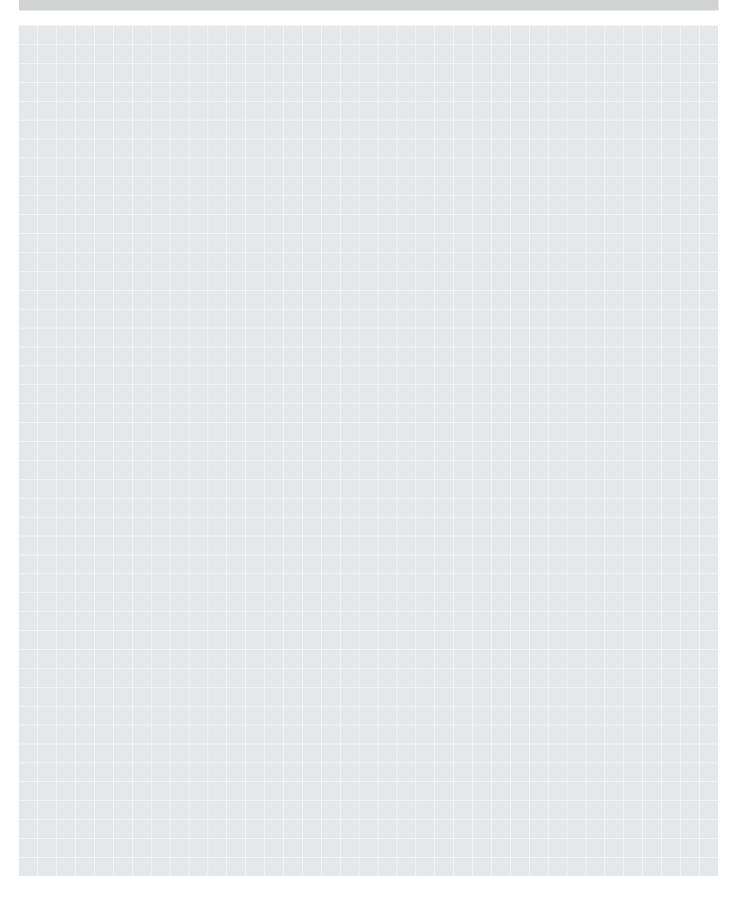






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E-valve with flange DN 20-40



Design features

• Resilient seated gate valve with smooth straight-through bore

• Flange sized and drilled according to EN 1092-2 | PN 16

Standard version: without handwheel and extension spindle

Special versions: on request

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: rigid No. 1550, No. 1650

telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158 Bolts: No. 8810, No. 8830, No. 8840

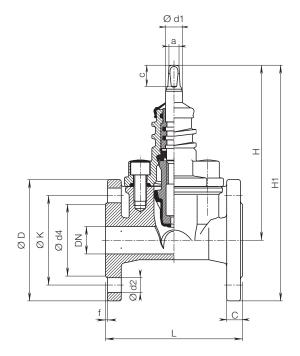
Flat gasket: No. 3390, No. 3470



No. 4000

No. 4700

		МОР	Dimensions/DN					
Order No.	Version	(PN)	20	25	32	40		
4000	short	16						
4700	long EN 558-1GR 15	16						

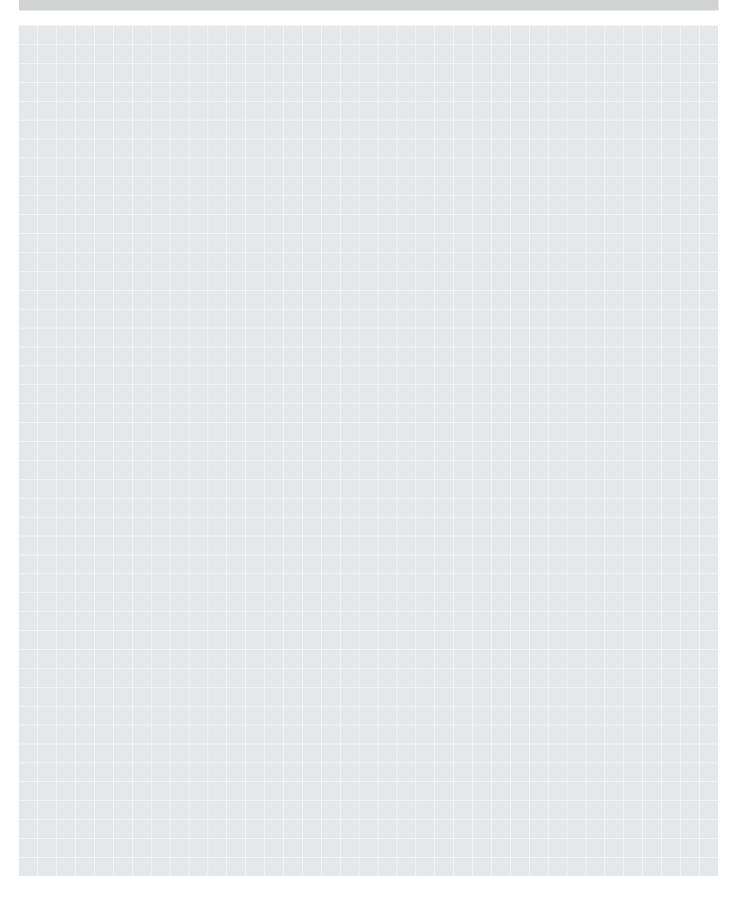


DN	MOP Flange			Bolts		Spindle		Valve			Weight							
DIA	(PN)	ØD	С	ØK	Ød4	f	Quantity	Thread	Ø d2	а	С	Ød1	Н	H1	L short	L long	short	long
20	10 16	115	16	75	58	2	4	M 12	14				164	223	130		4,2	
25	10 16	115	16	85	68	2	4	M 12	14	10.0	20	20 16	164	223	130		4,2	
32	10 16	150	18	100	78	2	4	M 16	19	10,3			200	275	140		6,6	
40	10 16	150	18	110	88	2	4	M 16	19				200	275	140	240	6,7	7,5



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With internal thread



Design features

- Resilient seated gate valve with smooth straight-through bore
- Internal thread ISO 228
- Service valve with internal thread are fitted with a corrosion protection ring to prevent corrosion
- No. 2510: Bonnet is screwed and glued to the body. To unscrew, the thread must be heated

Standard version: without handwheel and extension spindle

Special versions: on request





Material | Technical features

Body and bonnet:

No. 2500 made of ductile iron, epoxy powder coated No. 2510 made of brass

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: No. 1550, No. 1650 rigid

telescopic:

Spindle extension: No. 7820

No. 2156, No. 2157, No. 2158 Sealing cap:







No. 1850, No. 1851K

Order No.	Version	MOP (PN)	_	 	ns/DI 1½"	
2500	Ductile iron, epoxy powder coated internal threads both ends ISO 228	16				
2510	Brass, internal thread both ends ISO 228	16				

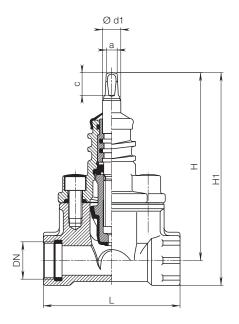
Application examples





With internal thread

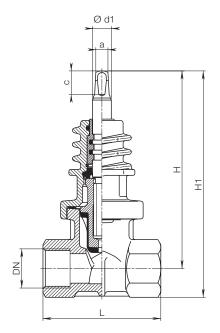




Service valves Internal thread both ends ISO 228

No. 2500

DN		Valve			Weight		
DIA	L	Н	H1	а	С	Ød1	Weight
3/4"	120	164	185			16	2,20
1"	120	164	188				2,28
11/4"	140	200	229	10,3	20		3,53
11/2"	140	200	232				3,70
2"	150	219	258				4,40



Service valves, brass Internal thread both ends ISO 228

No. 2510

DN		Valve			Weight				
DN	L	Н	H1	а	С	Ød1	Weight		
1"	100	161	182			16	1,90		
11/4"	100	194	223	10.0	00		2,60		
11/2"	100	194	223	10,3	20		2,81		
2"	100	219	256				4,00		

With internal and external threads / ISO-fitting



Design features

- Resilient seated gate valve with smooth straight-through bore
- Internal thread ISO 228, external thread EN 10226-1
- Service valve fitted with a corrosion protection ring to prevent corrosion
- For service valves with external thread, the free lying threads must be protected against corrosion according to the trade regulations after assembly
- No. 2800: Internal thread for assembly of a drilling machine for drilling under pressure
- For PE-pipes according to EN 12201 and DIN 8074 | to PN 16; up to 30° C medium temperature

Pipe guide nipple serves for precise guidance of the PE pipe and as corrosion protection of the internal thread

Standard version: without handwheel and extension spindle **Special versions:** on request

Material | Technical features

- · Body and bonnet made of ductile iron
- Corrosion protection ring made of elastomer
- Pipe guide nipple made of PE

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800
Extension spindle: rigid No. 9101
telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

Chamfering tool: No. 6000
Saddle blades: No. 6010
Pipe cutter: No. 6050
Mounting spray: No. 3443

Drilling machine: No. 5800, No. 5805

No. 2520





No. 2800





•	Order	Version		Dimensions/DN 1" 11/4" 11/2" 2"				
	No.		(PN)	1"	11/4"	11/2"	2"	
	2520	1 internal thread 1 external thread						
	2800	1 external thread 1 ISO-fitting for PE pipe 1 internal thread	16					

No. 2800 can be adapted for PVC pipe with carborundum grip ring at extra cost

Application example

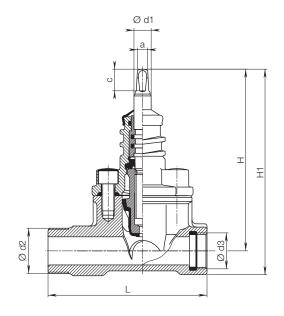






With internal and external threads / ISO-fitting

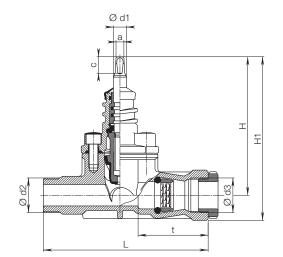




Service valve, ductile iron With one internal thread ISO 228 and one external thread EN 10226-1

No. 2520

DN			Valve			Weight					
DIA	Ød2	Ød3	L	Н	H1	а	С	Ød1	Weight		
1"	11/4"	1"	148	164	191			0 16	2,40		
11/4"	2"	11/4"	167	200	234				3,80		
11/2"	2"	1½"	167	200	238	10,3	20		4,00		
11/2"	1½"	1½"	167	200	238				4,00		
2"	2"	2"	172	219	264				4,60		



Service valve, ductile iron
1 external thread EN 10226-1, 1 ISO-fitting, 1 internal thread ISO 228

No. 2800

DN			Va	lve		Spindle		Weight		
DIN	Ø d2	Ø d3	t	L	Н	H1	а	С	Ød1	Weight
1"	11/4"	11/4"	85	200	164	193				2,72
11/4"	2"	1½"	101	245	200	234	100	00	40	4,46
11/2"	2"	2"	121	255	200	239	10,3	20	16	4,90
2"	2"	21/2"	137	264	219	267				6,81

Made of POM, with twin conical external threads

No. 2650



Design features

- Resilient seated gate valve with smooth straight-through bore
- All parts made of corrosion free materials
- Maximum spindle torque: 80 Nm
- Sealing system: the contact between wedge and body is friction free. Therefore no scuffing or abrasion of the wedge

Standard version: without handwheel and extension spindle

Special versions: on request

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: No. 1550, No. 1650 rigid

telescopic No. 1850, No. 1851K

Spindle extension: No. 7820

No. 2156, No. 2157, No. 2158 Sealing cap:

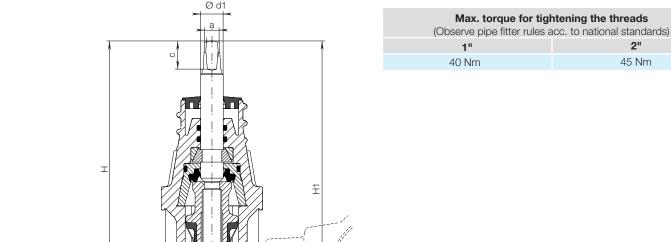
Drilling machine: No. 5800 No. 6220 Fitting:



2"

45 Nm

Order No.	Version		Dimensi 1" - 1"	
		(1.14)	1 1	1"- 2"
2650	With twin conical external thread according to EN 10226-1	16		

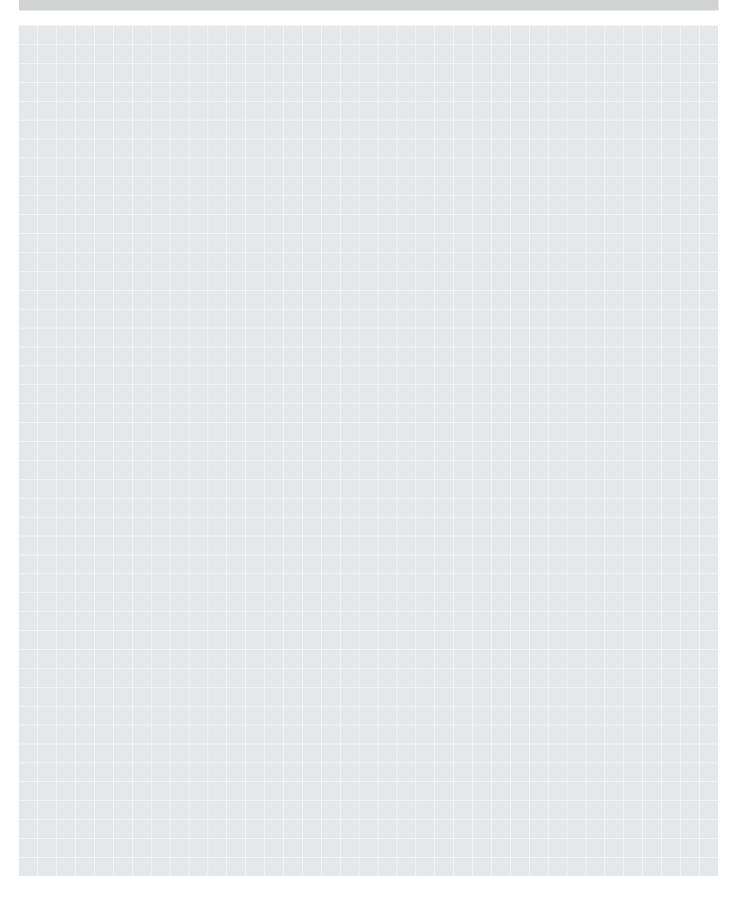


	~	L					
DN		Valve			Weight		
5.11	L H H1		H1	а	a c		Weight
1" - 1"	110	182	201	10.0	27	16	0,80
1" - 2"	116	182	210	10,3	21	10	0,85



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With ISO-fitting for PE pipe both ends



Design features

- Resilient seated gate valve with smooth straight-through bore
- For PE pipes according to EN 12201 and DIN 8074 | up to PN16; up to 30° C medium temperature
- No. 2630: Sealing system: the contact between wedge and body is friction free. Therefore no scuffing or abrasion of the wedge
- All parts made of corrosion free materials
- Maximum spindle torque: 80 Nm
- Technical details ISO-fitting see page K 3/1

Standard version: without handwheel and extension spindle

Special versions: on request

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800
Extension spindle: rigid No. 9101

telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

Chamfering tool: No. 6000
Saddle blade: No. 6010
Pipe cutter: No. 6050
Mounting spray: No. 3443







GEPRÜFT





Order No.	Version	MOP						
NO.		(PN)	1/2"	3/4"	1"	11/4"	11/2"	2"
2600	Made of ductile iron	16						
2630	Made of POM	10						

Both valves can be adapted for PVC pipe with carborundum grip ring at extra cost

Application example

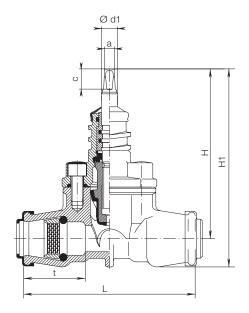






With ISO-fitting for PE pipe both ends

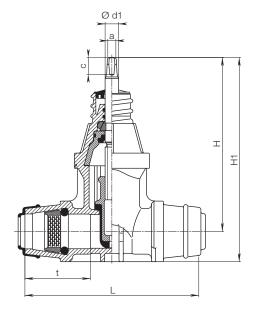




Service valve, ductile iron ISO-fitting for PE pipe both ends

No. 2600

DN	Ø	Valves				Weight			
DIA	pipe ext.	t	L	Н	H1	а	С	Ød1	weight
3/4"	25	52	165	164	187				2,30
1"	32	61	170	164	192				2,33
11/4"	40	76	220	200	235	10,3	20	16	4,00
11/2"	50	91	232	200	240				4,10
2"	63	103	270	219	267				7,00



Service valve, POM ISO-fitting for PE pipe both ends

No. 2630

DN	Ø		Val	ves			Weight		
DIA	pipe ext.	t L H H1		а	С	Ød1	Weight		
1/2"	20	43	125	178	200				0,85
3/4"	25	52	152	177	205				0,85
1"	32	63	174	177	205	10.0	00	10	0,95
11/4"	40	78	208	205	241	10,3	20	16	1,50
11/2"	50	92	246	205	247				1,65
2"	63	100	261	221	271				2,10

ISO COMBINATION TAPPING VALVE

Made of POM



Design features

- · Resilient seated gate valve with smooth straight-through bore
- With conical 2" external thread according to EN 10226 for the clamp attachment and with cylindrical connection thread 1½" according to ISO 228 for connection fitting No. 6221F
- For PE pipes according to EN 12201 and DIN 8074
- One valve with 5 ISO push-fit fittings for PE pipes (pipe Ø 25/32/40/50/63 mm) - reduces stockkeeping!
- A robust valve made of POM
- All parts made of corrosion free materials
- For the easiest under pressure tapping and the quickest installation of ISO push-fit fittings
- Sealing system: the contact between wedge and body is friction free. Therefore no scuffing or abrasion of the wedge

Standard version: without handwheel and extension spindle

Special versions: on request



Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800
Extension spindle: rigid No. 9101

telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Extension spindle: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

Chamfering tool: No. 6000
Saddle blades: No. 6010
Pipe cutter: No. 6050
Mounting spray: No. 3443

Drilling machine: No. 5800, No. 5805

Orc		Version	MOP (PN)	DN	Thread	ØPE- pipe	Weight	
268	81	ISO Combination tapping valve without fitting		1"	2"- 1½"		0,81	
268	30	ISO Combination tapping valve with choice of ISO push-fit fitting	10	1"	2" - 1½"	25 32 40 50 63	0,90 0,94 1,02 1,10 1,23	
622	1F	ISO push-fit fitting with backing washer	16		1½"	25 32 40 50 63	0,10 0,13 0,22 0,29 0,41	
594	40	Adapter for Hawle drilling machine 2"			1½" - 2"		1,30	



ISO COMBINATION TAPPING VALVE

Made of POM

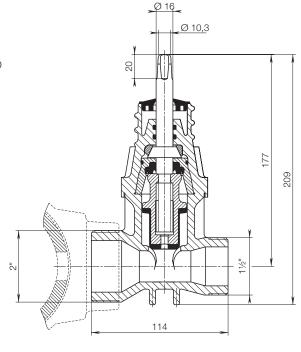


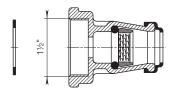
Tapping valve DN 1"

With 2" external thread EN 10226-1 for mounting onto saddle and

11/2" external thread ISO 228 only for ISO push-fit fitting No. 6221F

No. 2681





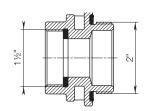
ISO push-fit fitting No. 6221F

Made of POM

Internal thread 1½" ISO 228

Push-fit socket for PE pipes up to PN 16, pipe Ø 25/32/40/50/63 mm

The flat gasket saves the need for seal



Adapter No. 5940

Made of bronze

Internal thread 1½" ISO 228 External thread 2" ISO 228

For Hawle drilling machine No. 5800 or No. 5805

Drilling and assembly instructions

1. Mounting onto the saddle:

Screws the 2" external thread into the internal thread of the saddle

2. Drilling:

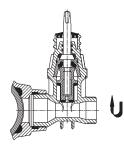
Open the valve completely; if necessary use adapter (see above)

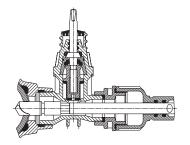
3. Shut-off:

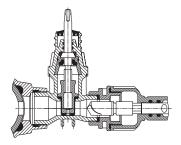
After drilling, retract the drill and close the valve

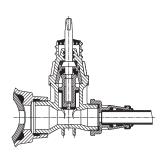
4. 4. Pipe assembly:

Screw on one of the five ISO push-fit fittings - push the pipe in - finished











Made of POM with Hawle-FIT sockets



Design features

- Resilient seated gate valve with smooth straight-through bore
- For PE pipes according to EN 12201 and DIN 8074 | up to PN 16; up to 30° C medium temperature
- The high-tensile connection to the pipe is achieved via the two HAWLE-FIT sockets
- Assembly-ready supply: no screwing required before inserting the pipe
- All parts made of corrosion free materials
- Maximum spindle torque: 80 Nm.
- Easy disassembly without special tools
- Sealing system: the contact between wedge and body is friction free. Therefore no scuffing or abrasion of the wedge
- Hawle FIT socket details see page K 2/1

Standard version: without handwheel and extension spindle

Special versions: on request

Material | Technical features

- 1 Clamping nut made of POM
- 2 Lip seal made of elastomer
- 3 Grip ring made of POM

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

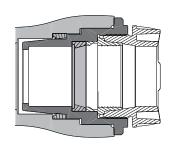
Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

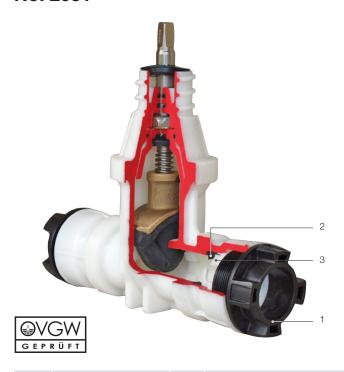
Pipe cutter: No. 6050
Mounting spray: No. 3443
Support liners: No. 6031
Hawle-FIT type for reducer: No. 6640HF

Design features

For the reduction of Hawle-FIT socket



No. 2631



Order	Version	МОР	Dimensions/DN					
No.	Version	(PN)	1"	11/4"	11/2"	2"		
2631	With Hawle-FIT socket	16						

PE 80: SDR 7,4 - SDR 17,6 PE 100: SDR 11 - SDR 17

For PE 80 and PE 100: SDR 17,6 and 17 we recommend using

a support liner

Hawle-FIT type for reducer No. 6640HF



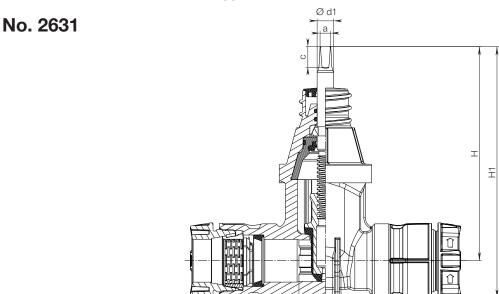
		MOP	Dimens	ions/DN
Order No.	Version		32	40
		(PN)	25	32
6640HF	With Hawle-FIT socket	16		



Made of POM with Hawle-FIT sockets



Service valve, POMWith dual Hawle-Fit connections sockets for PE-pipes

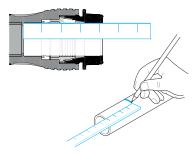


DN	⊘pipe ext.		Va	lve				Weight	
DIV	Ø pipe ext.	t	L	Н	H1	а	С	Ød1	weight
1"	32	84	216	177	212				1,05
11/4"	40	105	260	205	241	10.0	20	16	1,56
11/2"	50	116	294	205	247	10,3	20	16	1,83
2"	63	123	306	228	278				2,47

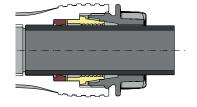
Benefits of the HAWLE-FIT sockets

- Ready to install from packaging
- Can be mounted without previous chamfering of the pipe ends
- Low insertion forces
- Defined stop of the clamping nut made of POM for a secure connection
- Easy assembly and disassembly without special tools (Clamping nut can be fixed with a standard commercially available pipe cutter)

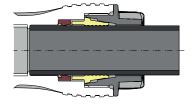
Assembly instructions



Measuring the insertion depth



POM clamping nut open



Pom clamping nut fully tightened



SERVICE VALVE FOR PE FUSION

Made of ductile iron



Design features

- Resilient seated gate valve with PE-fusion tails in combination with PE pipes according to EN 12201, DIN 8074
- This resilient seated valve has PE-fusion tails screwed into and sealed in the sockets
- The seal of the welding socket is guaranteed by two independent O-ring seals as well as a POM support liner in the welding socket
- The valve can be connected to the PE pipeline by either butt fusion or electrofusion

Standard version: without handwheel and extension spindle

Special versions: on request

Material | Technical features

1 PE-fusion tails

Standard version PE 100 injection moulded made of POM for PE tails (see overleaf drawing))

2 O-ring made of elastomer

Suitable accessories

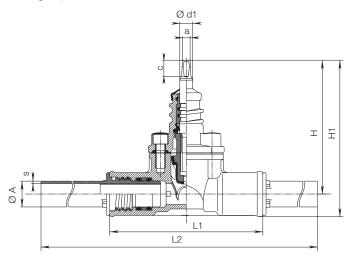
Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

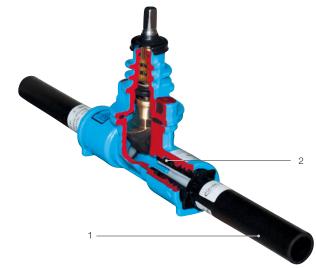
Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

telescopic: Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158









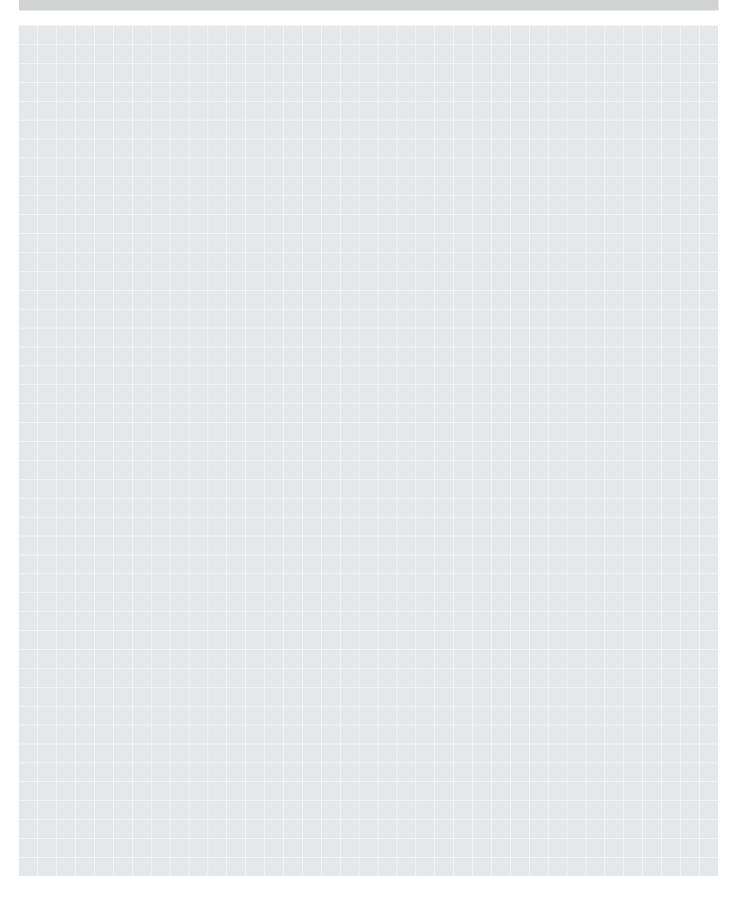
Order No.	PE-fusion tail	MOP (PN)	Din 1" / d 32	nensions 11/4" / d 40	/DN 1½" / d 50
4050	PE 100 / SDR 11	16			

DN	ØA	Valve with PE-fusion tail						Weight		
Dit	S.A.	s	Н	H1	L1	L2	а	С	Ød1	Worging
1"	32	3,0	164	192	196	518	10,3	20	14	3,07
11/4"	40	3,7	199	234	230	556	10,3	20	16	4,54
11/2"	50	4,6	199	242	240	576	10,3	20	16	5,52



NOTES





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SERVICE VALVE FOR PE FUSION

Made of POM



Design features

- Resilient seated gate valve with PE-fusion tails in combination with PE pipes according to EN 12201, DIN 8074
- Sealing system: the contact between wedge and body is friction free. Therefore no scuffing or abrasion of the wedge
- The valve can be connected to the PE pipeline by either butt fusion or electrofusion
- Maximum spindle torque: 80 Nm.
- No. 2660: Resilient seated valve with 2 permanently attached PE tails, factory welded

The valve design prevents sediment accumulating irrespective of water quality

An O-ring seal guarantees sealing to the valve body

• No. 2670: This resilient seated valve has PE tails screwed into and sealed in the sockets

High performance sealing of the PE tails within the sockets is assured by two separate seals and a support liner within the tails

Standard version: without handwheel and extension spindle

Special versions: on request

Material | technical features

1 **PE-fusion tail** PE 100 / SDR 11, injection moulded

• O-ring made of elastomer

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158





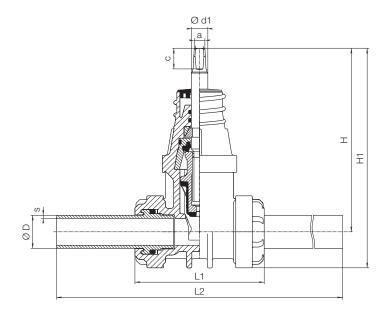
Order		МОР	Dimensions/DN							
No.	Version	(PN)	1"/ d 32		1½" / d 50	1½" / d 63	2" / d 63			
2660	Made of POM welded-in with PE fusion tails	16								
2670	Made of POM screwed in with PE fusion tails	10								



SERVICE VALVE FOR PE FUSION

Made of POM

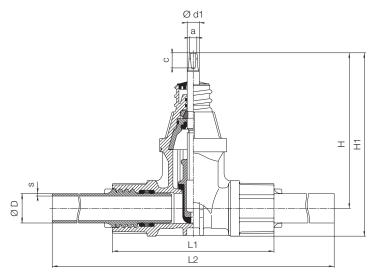




Valve for PE fusion, POM With welded fusion tails

No. 2660

DN	ØD							pind	Weight	
DIA	ØD	s	Н	H1	L1	L2	а	С	Ød1	-
1"	32	2,9	177	216	125	277	10,3	27	16	1,02
11/2"	63	5,8	206	261	184	391	10,3	27	16	2,05



Valve for PE fusion, POM With screwed PE-fusion tails

No. 2670

DN	ØD		Valve with PE tails					pind	le	Weight
DIA	ی تا	s	Н	H1	L1	L2	а	С	Ød1	weight
1"	32	3,0	177	212	180	502	10,3	20	14	1,25
11/4"	40	3,7	205	241	218	544	10,3	20	16	1,85
11/2"	50	4,6	205	247	251	587	10,3	20	16	2,30
2"	63	5,8	221	271	271	639	10,3	20	16	3,10

Made of ductile iron



Design features

- · Resilient seated gate valve with optimum flow passage
- For vertical installation on pipe saddles
- Sealing system: the contact between shut-off plug and body is friction free. Therefore no scuffing or abrasion of the seal
- Service connection service valves with internal thread are equipped with a corrosion protection ring to prevent corrosion
- For service connection angle valves with external thread, the free lying threads must be corrosion protected according to the trade regulations after assembly
- No. 3128: Protection against pressure water only when fully opened

Standard version: without handwheel and extension spindle

Special versions: on request

Material | Technical features

- Body and bonnet:
 made of ductile iron, epoxy powder coated
- Shut-off plug made of brass, with vulcanized elastomer
- Hose fitting made of chrome-plated brass

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800 Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: rigid No. 1550, No. 1650

telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

Chamfering tool: No. 6000
Saddle blade: No. 6010
Pipe cutter: No. 6050
Mounting spray: No. 3443

No. 3120 No. 3128 No. 3130







Order	Wanalan	МОР		Dimens	ions/DI	N
No.	Version	(PN)	1"	11/4"	11/2"	2"
3120*	with thread outlet					
3128	with thread outlet and automatic drainage device	16				
3130*	with ISO-fitting for PE pipes acc. to EN 12201, DIN 8074*					

No. 3130 can be adapted for PVC pipe with carborundum grip ring at extra $\ensuremath{\mathsf{cost}}$

Application example



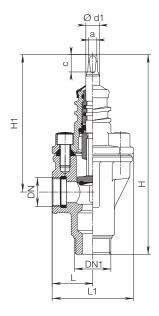




^{*} Up to 30° C medium temperature

Made of ductile iron





Service valve

with thread outlet

No. 3120

DN	DN 1	Valve			Spindle			Weight	
ISO 228	EN 10226-1	L	L1	Н	H1	а	С	\emptyset d1	Weight
1"	11/4"	47	93	227	159				2,34
11/4"	2"	55	108	271	191	10.0	20	16	3,60
11/2"	2"	56	109	280	193	10,3	20	16	3,90
2"	2"	60	113	289	196				4,40

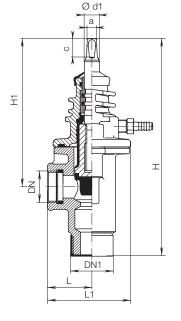
Service valve

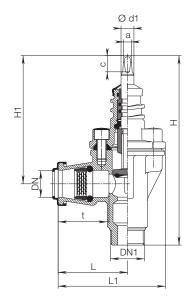
With internal thread outlet and automatic drainage device

NOT suitable for locations with a drainage hole under the water table; Please observe the flow directional arrow - protection against pressure water only when fully opened; The automatic drainage of the service is only available when the valve is fully shut!

No. 3128

DN	000 FN 40000 4				5	Spindle	Weight			
ISO 228	EN 10226-1	L	L1	Н	H1	а	С	Ød1	••• cigit	
1"	11/4"	47	93	242	170	10.0	20	16	2,34	
11/2"	2"	56	109	292	205	10,3	20	10	3,90	





Service valve

With ISO outlet for PE pipes

No. 3130

DN	Ø Pipe	DN 1		Valve Spindle					Weight		
DIA	ext.	EN 10226-1	t	L	L1	Н	H1	а	С	\emptyset d1	Weight
1"	32	11/4"	63	86	132	231	159				2,50
11/4"	40	2"	77	106	159	273	191	10.0	20	16	3,90
11/2"	50	2"	91	120	173	283	193	10,3	3 20	10	4,23
2"	63	2"	103	135	188	289	196				5,30



ISO-COMBINATION SERVICE VALVE

Made of POM



Design features

- Resilient seated gate valve with smooth straight-through bore
- With conical 2" external thread according to EN 10226 for mounting onto saddle and ½" external thread according to ISO 228 only for ISO push-fit fitting No. 6221F
- One valve with 5 ISO push-fit fittings for PE pipes (pipe Ø 25/32/40/50/63 mm) reduces stockkeeping
- For PE pipes according to EN 12201 and DIN 8074 | up to PN 16; up to 30° C medium temperature
- A robust design made of POM
- All parts made from corrosion free materials
- Sealing system: The contact between plug and body is friction free. Therefore no scuffing or abrasion on the plug

Standard version: without handwheel and extension spindle

Special versions: on request

Material | Technical features

· Shut-off plug made of brass, with vulcanized elastomer

Suitable accessories

Suitable accessories: see page J 1/2

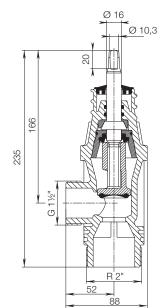
Handwheel: No. 7800
Extension spindle: rigid No. 9101
telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

Chamfering tool: No. 6000
Saddle blade: No. 6010
Pipe cutter: No. 6050
Mounting spray: No. 3443







Order No.	Article	MOP (PN)	DN	Thread	Ø PE- Pipe	Weight	
3151	ISO Combination service valve without fitting		1"	2"- 1½"		0,85	
3150	ISO Combination service valve with choice of ISO push-fit fitting	16	1"	2" - 1½"	25 32 40 50 63	0,96 0,99 1,07 1,14 1,28	
6221F	ISO push-fit fitting with backing washer			1½"	25 32 40 50	0,10 0,13 0,22 0,29	

Application example





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HAWLINGER PIPE DRILLING SADDLE

Made of ductile iron



Design features

- Robust and simple construction
- In open position: clear, unobstructed waterway
- · Working parts not in contact with water
- Just half a turn to open or close
- Outlet is 1", 1¼" and 1½" internal thread on all models and sizes
- No. 2402: Supplied complete with plastic operating key
- No. 2402 and No. 2300

Internal thread 1" drilling-Ø max. 24 Internal thread 11/4" drilling-Ø max. 24 Internal thread 11/2" drilling-Ø max. 35

Material | Technical features

- Body of ductile iron, epoxy powder coated
- Eccentric disc and shut-off plate made of stainless steel
- Strap (No. 3110) made of stainless steel
- Seals made of elastomer

Suitable accessories

Suitable accessories: see page J 1/2

Extension spindle: rigid No. 9101 telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

No. 7820

No. 5800, No. 5805

Spindle extension:

Drill:



No. 2402

No. 2300

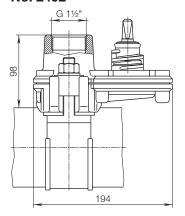


No. 2200

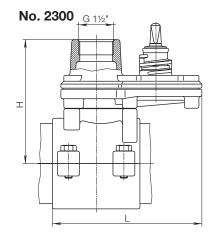


Order		МОР	Internal thread SO 228 S			DN				
No.	Version	(PN)		80	100	125	150	200	250	300
	Universal-Hawlinger		1"							
2402	ductile iron, steel and	16	11/4"							
	AC pipes		11/2"							
Order	Version	МОР				Ø	pip	е		
No.	VCIOIOII	(PN)		9	90		110		16	0
	HAKU-Hawlinger									
2300	PE and PVC pipes	16	- , .							
	. 2 and p.pcc		11/2"							
Order	Version	MOP	Internal thread		Ext		al t		ad	
No.		(PN)	ISO 228		11/2	"		2	2"	
2200	Hawlinger adapter for use with any pipe saddle	16	11/2"							

No. 2402

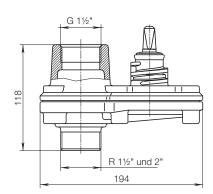


DN	Weight	DN	Weight
80	6,20	200	6,50
100	6,20	250	6,60
125	6,30	300	6,80
150	6.40		



DN	Øpipe	L	Н	Weight
80	90	194	146	7,00
100	110	194	160	7,40
150	160	194	188	9,00

No. 2200



Hawlinger adapter

G 1½" drilling-Ø max. 28 G 2" drilling-Ø max. 35

Weight: 4,70



With automatic drainage, made of ductile iron



Design features

- · Resilient seated gate valve with optimum flow passage
- Suitable for drainage of pipes which might freeze e.g. irrigation pipes etc. In below ground applications sufficient draining for the valve has to be considered (e.g. drainage pit)
- Sealing system: Automatic secured drainage when valve is completely closed. No clearing when the valve is partly or completely open
 - NOT suitable for sites with a drainage hole situated above the groundwater table
- Internal thread is equipped with a corrosion protection ring to prevent corrosion

Standard version: without handwheel and extension spindle

Special versions: on request

Material | Technical features

- Shut-off plug made of brass, with vulcanized elastomer
- Hose fitting made of chrome-plated brass

Suitable accessories

Suitable accessories: see page J 1/2

Handwheel: No. 7800
Extension spindle: rigid No. 9101
telescopic No. 9601

Surface box: rigid No. 1550, No. 1650 telescopic: No. 1850, No. 1851K

Spindle extension: No. 7820

Sealing cap: No. 2156, No. 2157, No. 2158

No. 2491



Order	Vausiau	МОР		Dime	nsion	s/DN	ı
No.	Version	(PN) 34" 1" 15		11/4"	11/2"	2"	
2491	internal iron threads both ends, automatic drainage device	16					



With automatic drainage, made of ductile iron

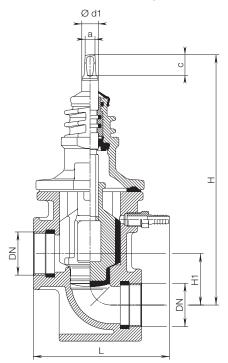


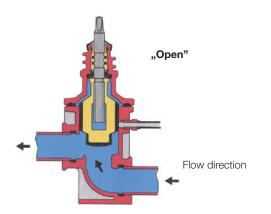
No. 2491

Thread drainhole and automatic draining

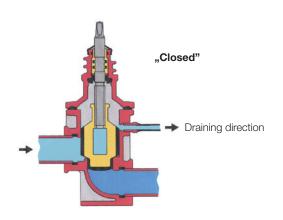
Note installation direction (arrow). Drainage only when the valve is completely closed:

Note that drainhole must be positioned above ground water level in case of below ground installation (no backflow preventer in the drainhole!)





Opening torque max. 40 Nm



Closing torque max. 40 Nm

DN Internal thread (ISO 228)	Valve			Spindle						
	L	н	H1	а	С	Ød1	Weight			
3/4"	115	207	41	10,3	10,3 20					2,40
1"	115	207	41					2,30		
11/4"	130	243	50			16	3,90			
1½"	130	243	50					4,00		
2"	140	243	50					4,50		



WATER METER CONSOLES



Design features

- · Compact design with integral backflow preventer
- Problem-free assembly and dismantling of the water meter by length adjustment (supplied without water meter))
- Potable water up to 30°C
- Electrical earthing link to base plate
- Order no. 2931 and 2932 with drainage plug

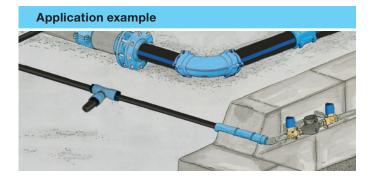
Material | Technical features

- Valve body made of brass
- Wall plate made of aluminum (including fastening set for water meter console)
 No. 2931, 2932 powder coated
- · Handwheel:

No. 2931, 2932 made of POM No. 2930, 2960 made of steel

• Meter substitution connector:

No. 2933 11/4" made of POM with gasket (for No. 2931, 2932) 2" made of galvanized steel (for No. 2930)















Nr. 2933 od 11/4"



Order No.	MOP (PN)	DN	Valve connection (meter substitution connector)	k_v -value m³/h at 1 bar Δ p	For water meter EN 15154-1	
2930		1½"	2 internal threads G 1½" ISO 228	32,1	20 m³/h	
2021	2931	1"	2 internal threads G 1" ISO 228	11,4	3 (5) m³/h - / 7 (10) m³/h	
2931		11/4"*	2 external threads R 11/4" EN 10226	11,4	3 (5) m³/h - / 7 (10) m³/h	
2932	1"		1 ZAK 34 socket connector, 1 internal thread G 1" ISO 228	11,4	3 (5) m ³ /h - / 7 (10) m ³ /h	
2960		2"	2 internal threads G 2" ISO 228	47,2	20 m³/h	

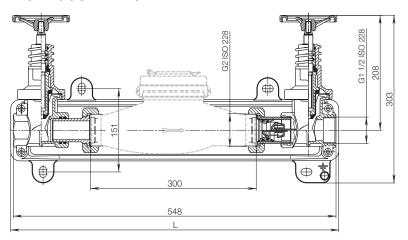
Special versions: *DN 11/4" with internal thread G 11/4 ISO 228

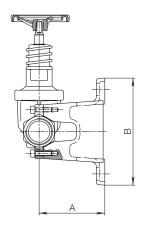


WATER METER CONSOLES

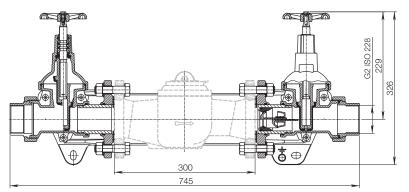


No. 2930 DN 11/2"





No. 2960 DN 2"

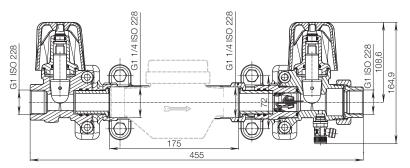


DN	Meter	Α	Wall	Weight	
DIV	connection		L	В	weigiit
1"	11/4"	90	300	100	5,00
11/4"	11/4"	90	300	100	5,20
11/2"	2"	115	590	190	10,50
2"	Flange DN 50	125	590	190	20,00

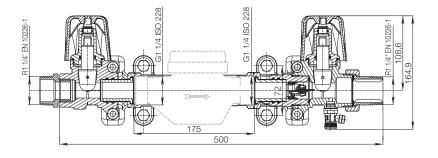
Meter substitution connector

DN	No. 2933 AG ISO 228	L	Weight	
1"	11/4"	175	0.16	
11/4"	11/4"	175	0,16	
11/2"	2"	300	1,67	

No. 2931 DN 1"



No. 2931 DN 11/4"



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