



Gas Portfolio
Extract from the Hawle range of gas products

Explanatory notes on the brochure

General media information in the product descriptions may apply subject to certain restrictions. Kindly always state the relevant medium in your given application when you place an order or submit a query.

If you have any further questions about our products, please do not hesitate to contact our employees of the application engineering division at any time.



Products for use in connection with natural gas (in accordance with DVGW [German Association for Gas and Water] Technical Rule G 260)



Products suitable for use with hydrogen (H₂-ready)



For current information, please see our Hawle app. Further information is available at www.hawle.de/app

Table of contents

Gate valve	4
BAIO® system	4
Flange connections	4
Fusion technology	5
Molded parts	6
Service valves	7
ZAK® system	7
Welding technology	10
Threaded connections	11
Flange connections	13
Accessories	14
Service connection gate valve	16
ZAK® system	16
Fittings	17
ZAK® system	17
Surface boxes	20
Repair clamps / undrilled saddles	22

Gate valves

BAIO® system and flange connections



437-00G
Combi-T gate valve "E3" -
BAIO® system



450-00G
Gate valve with sockets "E3" -
BAIO® system



451-00G
Gate valve "E3" with spigot/socket -
BAIO® system



400-00G
Flanged gate valve "E2" and "E3" (short body)
Face-to-face length, basic series 14 according
to DIN EN 558-1



470-00G
Flanged gate valve "E2" and "E3" (oval body)
Face-to-face length, basic series 15 according
to DIN EN 558-1

Maximum operating pressure



Nominal diameters / Properties

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
437-00G	Combi-T gate valve "E3" - BAIO® system	16 bar	DN 80 - DN 150
450-00G	Gate valve with sockets "E3" - BAIO® system	16 bar	DN 80 - DN 300
451-00G	Gate valve "E3" with spigot/socket - BAIO® system	16 bar	DN 80 - DN 200
400-00G	Flanged gate valve "E2" and "E3" (short body)	10 bar, 16 bar	Gas: DN 50 - DN 300 Hydrogen: DN 50 - DN 150*
470-00G	Flanged gate valve "E2" and "E3" (oval body)	10 bar, 16 bar	Gas: DN 32 - DN 400 Hydrogen: DN 50 - DN 150*

*additional diameters in preparation

Gate valves

Fusion technology



405-00G

Gate valve "E2" and "E3" with PE fusion ends



409-00G

Gate valve "E2" and "E3" flange/
PE fusion ends



453-00G

Gate valve "E2" and "E3" type D with
PE fusion ends

Maximum operating pressure



Nominal diameters / Properties

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
405-00G	Gate valve "E2" and "E3" with PE fusion ends	SDR 11: 10 bar	Gas: DN 25 - DN 200 Hydrogen: DN 50 - DN 150*
409-00G	Gate valve "E2" and "E3" flange/PE fusion end	SDR 11: 10 bar	DN 100 - DN 150
453-00G	Gate valve "E2" and "E3" type D with PE fusion end	SDR 11: 10 bar	DN 80 - DN 200

*additional diameters in preparation

Molded parts



No.:	Description	Maximum operating pressure	Nominal diameters / Properties
534-00G	Flange with PE fusion end	SDR 17: 5 bar SDR 11: 10 bar	DN 80 - DN 200

Other molded parts are shown on our website at www.hawle.de/en/.

Service valves

ZAK® system



 **226-00G**
Hawlinger with upper vertical ZAK® socket and lower tapered male thread or lower ZAK® spigot end



 **227-00G**
Hawlinger with upper horizontal ZAK® socket in pipe direction and lower tapered male thread or lower ZAK® spigot end



 **229-03G**
Hawlinger with upper vertical ZAK® socket and lower PE fusion end



 **229-04G**
Hawlinger with upper horizontal ZAK® socket in pipe direction and lower PE fusion end



 **229-05G**
Hawlinger with upper horizontal ZAK® socket in pipe direction and lower PE fusion end



 **236-00G**
HAKU Hawlinger with vertical ZAK® socket

Maximum operating pressure



No.:	Description	Maximum operating pressure	Nominal diameters / Properties
226-00G	Hawlinger with upper vertical ZAK® socket and lower tapered male thread or lower ZAK® spigot end	5 bar	Outlet O: ZAK 46 Outlet U: male thread 2", ZAK 46
227-00G	Hawlinger with upper horizontal ZAK® socket in pipe direction and lower tapered male thread or lower ZAK® spigot end	5 bar	Outlet O: ZAK 46 Outlet U: male thread 1 1/2", ZAK 46
229-03G	Hawlinger with upper vertical ZAK® socket and lower PE fusion end	5 bar	Outlet O: ZAK 46 Outlet U: d 63 mm
229-04G	Hawlinger with upper horizontal ZAK® socket in pipe direction and lower PE fusion end	5 bar	Outlet O: ZAK 46 Outlet U: d 63 mm
229-05G	Hawlinger with upper horizontal ZAK® socket to pipe direction and PE fusion end	5 bar	Outlet O: ZAK 46 Outlet U: d 63 mm
236-00G	HAKU Hawlinger with vertical ZAK® socket	1 bar (PVC only)	Outlet O: ZAK 34, ZAK 46 Pipe: d 63 - 140 mm

Service valves

ZAK® system



237-00G
HAKU Hawlinger
with horizontal ZAK® socket
in pipe direction



238-00G
HAKU Hawlinger
with horizontal ZAK® socket 90°
to pipe direction



239-00G
Hawlinger with upper
vertical ZAK® socket



239-01G
Hawlinger with upper
horizontal ZAK® socket
in pipe direction



239-02G
Hawlinger with upper
horizontal ZAK® socket 90°
to pipe direction

Maximum operating pressure



Nominal diameters / Properties

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
237-00G	HAKU Hawlinger with horizontal ZAK® socket in pipe direction	1 bar (PVC only)	Outlet O: ZAK 34, ZAK 46 Pipe: d 63 - 280 mm
238-00G	HAKU Hawlinger with horizontal ZAK® socket 90° to pipe direction	1 bar (PVC only)	Outlet O: ZAK 34, ZAK 46 Pipe: d 63 - 225 mm
239-00G	Hawlinger with upper vertical ZAK® socket	10 bar	Outlet O: ZAK 46 Pipe: d 90 - 225 mm
239-01G	Hawlinger with upper horizontal ZAK® socket in pipe direction	10 bar	Outlet O: ZAK 34, ZAK 46 Pipe: d 63 - 225 mm
239-02G	Hawlinger with upper horizontal ZAK® socket 90° to pipe direction	10 bar	Outlet O: ZAK 34, ZAK 46 Pipe: d 90 - 225 mm

Service valves

ZAK® system



243-00G
Universal Hawlinger with
vertical ZAK® socket for gas



244-00G
Hawlinger with
horizontal ZAK® socket
in pipe direction



245-00G
Universal Hawlinger
with horizontal ZAK® socket 90°
to pipe direction



270-01G
Valve saddle
with ZAK® outlet

Maximum operating pressure



Nominal diameters / Properties

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
243-00G	Universal Hawlinger with vertical ZAK® socket for gas	5 bar	Outlet O: ZAK 34, ZAK 46 Pipe: DN 65 - 400
244-00G	Hawlinger with horizontal ZAK® socket in pipe direction	5 bar	Outlet O: ZAK 34, ZAK 46 Pipe: DN 65 - 400
245-00G	Universal Hawlinger with horizontal ZAK® socket 90° to pipe direction	5 bar	Outlet O: ZAK 34, ZAK 46 Pipe: DN 65 - 400
270-01G	Valve saddle with ZAK® outlet	5 bar	Outlet O: ZAK 46 Pipe: DN 65 - 400

Service valves

ZAK® system & welding technology



 **525-01G**
HAKU pipe saddle
with ZAK® outlet



 **526-00G**
HA-WELD® electrofusion saddle
with ZAK® socket



  **235-00G**
Hawlinger with upper vertical
female thread outlet and lower
electrofusion saddle



  **235-02G**
Hawlinger with upper horizontal female
thread outlet 90° to pipe direction
and lower electrofusion saddle



 **355-00G**
Hawlinger for gas blowing-off



 **355-01G**
Gas blow-off

Maximum operating pressure



Nominal diameters / Properties

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
525-01G	HAKU pipe saddle with ZAK® outlet	1 bar (PVC only)	Outlet O: ZAK 46 Pipe: d 63 - 225 mm
526-00G	HA-WELD® electrofusion saddle with ZAK® socket	10 bar	Outlet O: ZAK 46 Pipe: d 90 - 225 mm
235-00G	Hawlinger with upper vertical female thread outlet and lower electrofusion saddle	10 bar	Outlet O: female thread 1"-1 1/2" Pipe: d 63 - 225 mm
235-02G	Hawlinger with upper horizontal female thread outlet 90° to pipe direction and lower electrofusion saddle	10 bar	Outlet O: female thread 1"-1 1/2" Pipe: d 63 - 160 mm
355-00G	Hawlinger for gas blowing-off	5 bar	Female thread 1" Weld-on cap DN 80 (steel)
355-01G	Gas blow-off	10 bar	d 50 mm (PE 100)

Service valves

Threaded connections



 **220-00G**
Hawlinger with upper
vertical female thread outlet



 **230-00G**
HAKU Hawlinger
with vertical female thread outlet



 **231-00G**
HAKU Hawlinger with horizontal
female thread outlet in pipe direction



 **232-00G**
HAKU Hawlinger with horizontal female
thread outlet 90° to pipe direction



 **240-00G**
Universal Hawlinger with vertical
female thread outlet



 **241-00G**
Universal Hawlinger
with horizontal female thread outlet
in pipe direction

Maximum operating pressure



No.:	Description	Maximum operating pressure	Nominal diameters / Properties
220-00G	Hawlinger with upper vertical female thread outlet	5 bar	Outlet O: female thread 1 1/2" Outlet U: male thread 1 1/2"
230-00G	HAKU Hawlinger with vertical female thread outlet	1 bar (PVC only)	Outlet O: female thread 1", 1 1/2" Pipe: d 160 - 225 mm
231-00G	HAKU Hawlinger with horizontal female thread outlet in pipe direction	1 bar (PVC only)	Outlet O: female thread 1 1/2" Pipe: d 90 - 225 mm
232-00G	HAKU Hawlinger with horizontal female thread outlet 90° to pipe direction	1 bar (PVC only)	Outlet O: female thread 1 1/2" Pipe: d 110 - 225 mm
240-00G	Universal Hawlinger with vertical female thread outlet	5 bar	Outlet O: female thread 1", 1 1/2" Pipe: DN 65 - 400
241-00G	Universal Hawlinger with horizontal female thread outlet in pipe direction	5 bar	Outlet O: female thread 1 1/2" Pipe: DN 65 - 400

Service valves

Threaded connections



No.:	Description	Maximum operating pressure 	Nominal diameters / Properties
242-00G	Universal Hawlinger with horizontal female thread outlet 90° angle to pipe direction	5 bar	Outlet O: fem. thread 1", 1 1/2" Pipe: DN 65 - 400
352-01G	Universal pipe drilling saddle with female thread outlet	5 bar	Outlet O: fem. thread 1", 1 1/4", 1 1/2", 2" Pipe: DN 65 - 400
352-02	Universal pipe drilling saddle for gas bladder setting devices	5 bar	Outlet O: fem. thread 2", male thread 2 1/2" Pipe: DN 80 - 400
359-02	Universal pipe drilling saddle with female thread outlet	5 bar	Outlet O: fem. thread 2 1/2", 3" / male thread 3" Pipe: DN 150 - 400
525-04G	HAKU pipe saddle with threaded outlet for gas bladder setting devices	1 bar (PVC only)	Outlet O: fem. thread 1 1/2", 2" / male thread 2", 2 1/2" Pipe: d 63 - 280 mm

Service valves

Threaded connections & flange connections



371-01G
Universal pipe saddle with female thread outlet and integrated shut-off function



351-00
Universal pipe drilling saddle with flanged outlet



359-01
Double-strap pipe drilling saddle with flanged outlet

No.:	Description	Maximum operating pressure	Nominal diameters / Properties
371-01G	Universal pipe saddle with female thread outlet and integrated shut-off function	5 bar	Outlet O: female thread 1 1/2", 2" Pipe: DN 65 - 400
351-00	Universal pipe drilling saddle with flanged outlet	5 bar	Outlet O: DN 40, DN 50 Pipe: DN 65 - 400
359-01	Double-strap pipe drilling saddle with flanged outlet	5 bar	Outlet O: DN 80, DN 100 Pipe: DN 150 - 400

Accessories



960-00

Telescopic extension spindle "type S"
for service valves and valve saddles



960-01

Telescopic extension spindle "type H"
for Hawlinger® pipe drilling saddle



962-00

Telescopic extension spindle "type S" of
stainless steel
for service valves and valve saddles



962-01

Telescopic extension spindle "type H" of
stainless steel
for Hawlinger® pipe drilling saddle



950-00

Telescopic extension spindle
for gate valves



952-00

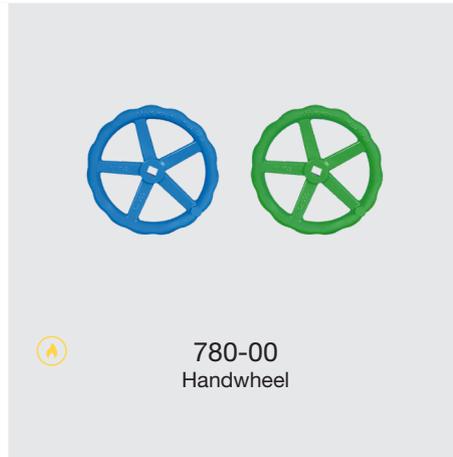
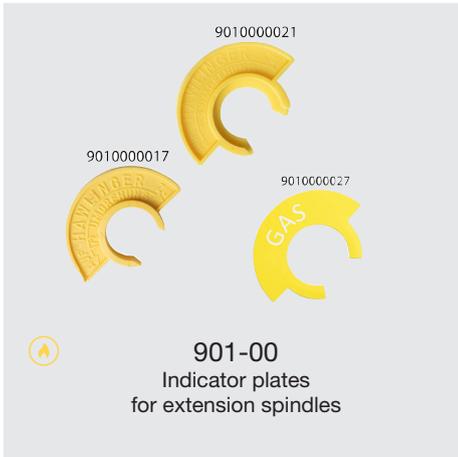
Telescopic extension spindle of
stainless steel for gate valves

Maximum operating pressure



No.:	Description	Nominal diameters / Properties
960-00	Telescopic extension spindle "type S" for service valves and valve saddles	Pipe cover depth 0.70 - 2.50 m
960-01	Telescopic extension spindle "type H" for Hawlinger® pipe drilling saddle	Pipe cover depth 0.6 - 3.10 m
962-00	Telescopic extension spindle "type S" of stainless steel for service valves and valve saddles	Pipe cover depth 0.70 - 2.50 m
962-01	Telescopic extension spindle "type H" of stainless steel for Hawlinger® pipe drilling saddle	Pipe cover depth 0.6 - 3.10 m
950-00	Telescopic extension spindle for gate valves	Pipe cover depth 0.80 - 2.60 m
952-00	Telescopic extension spindle of stainless steel for gate valves	Pipe cover depth 0.77 - 2.39 m

Accessories



No.:	Description	Maximum operating pressure 	Nominal diameters / Properties
901-00	Indicator plates for extension spindles		
780-00	Handwheel		
310-00G	Hawle strap (assembly part) fully vulcanized		d 87 - 470 mm

Service connection gate valves ZAK® system



 **253-00G**
Service connection gate valve for gas with
ZAK® spigot end and ZAK® socket



 **255-00G**
Service connection gate valve with
ZAK® socket and flange

No.:	Description	Maximum operating pressure 	Nominal diameters / Properties
253-00G	Service connection gate valve for gas with ZAK® spigot end and ZAK® socket	5 bar	ZAK 46
255-00G	Service connection gate valve with ZAK® socket and flange	5 bar	ZAK 46, DN 40, DN 50

Fittings

ZAK® system



536-01
Transition fitting
BAIO® spigot end / ZAK® socket



551-00
Transition fitting
with flange and ZAK® socket



618-00G
ZAK® PE-end



647-04G
Elbow 90° with ZAK® spigot end
and PE-end



618-01
Transition fitting
with ZAK® socket and
male thread



618-03
ZAK® end cap

Maximum operating pressure



No.:	Description	Maximum operating pressure	Nominal diameter
536-01	Transition fitting BAIO® spigot end / ZAK® socket	10 bar	DN 80 / ZAK 46
551-00	Transition fitting with flange and ZAK® socket	10 bar	DN 40, DN 50 / ZAK 46
618-00G 647-04G	ZAK® PE-end / elbow 90° ZAK® spigot end and PE-end	10 bar	ZAK 34, ZAK 46 Pipe: d 32 - 63 mm
618-01	Transition fitting with ZAK® socket and male thread	10 bar	ZAK 34, ZAK 46
618-03	ZAK® end cap	5 bar	ZAK 46

Fittings

ZAK® system



 **630-01G**
Connector (S-fitting)
with two ZAK® spigot ends



 **630-02G**
Connector, rotating type (S-fitting)
with two ZAK® spigot ends



 **630-03**
Connector
with two ZAK® sockets



 **630-05G**
Reduction fitting with ZAK® spigot end
and ZAK® socket, reduced for gas



 **647-00G**
Elbow 90°
with ZAK® spigot end and ZAK® socket

Maximum operating pressure



No.:	Description	Maximum operating pressure	Nominal diameter
630-01G	Connector (S-fitting) with two ZAK® spigot ends	10 bar	ZAK 46
630-02G	Connector, rotating type (S-fitting) with two ZAK® spigot ends	10 bar	ZAK 46
630-03	Connector with two ZAK® sockets	10 bar	ZAK 46
630-05G	Reduction fitting with ZAK® spigot end and ZAK® socket, reduced for gas	10 bar	ZAK 34, ZAK 46
647-00G	Elbow 90° with ZAK® spigot end and ZAK® socket	10 bar	ZAK 46

Fittings

ZAK® system




651-00
 Tee branch fitting with all-round
 ZAK® socket




651-01G
 Tee branch fitting with ZAK® socket
 and ZAK® spigot end




651-02
 TT piece ZAK® sockets with all-round ZAK®
 sockets

No.:	Description	Maximum operating pressure 	Nominal diameter
651-00	Tee branch fitting with all-round ZAK® socket	10 bar	ZAK 46
651-01G	Tee branch fitting with ZAK® socket and ZAK® spigot end	10 bar	ZAK 46
651-02	TT piece ZAK® sockets with all-round ZAK® sockets	10 bar	ZAK 46

Surface boxes for valves



No.:	Description	Maximum operating pressure 	Application for
180-01	Valve cap, rigid version with locking bolt		Valves
187-01	Valve cap, for rolling in and with locking bolt		Valves
187-02	Heavy-duty surface box		Valves
204-00	Universal base plate		Gate valves, valves

Surface boxes for gate valves



 **200-01**
Gate valve surface box complete,
rigid version with locking bolt



 **207-01**
Surface box for gate valves with cover,
for rolling in and with locking bolt



 **207-02**
Heavy-duty surface box



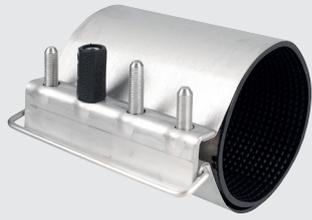
 **204-00**
Universal base plate

Maximum operating pressure

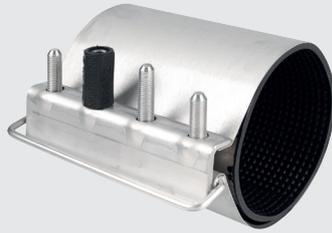


No.:	Description	Maximum operating pressure	Application for
200-01	Gate valve surface box, complete, rigid version with locking bolt		Gate valves
207-01	Surface box for gate valves with cover, for rolling in and with locking bolt		Gate valves
207-02	Heavy-duty surface box		Gate valves
204-00	Universal base plate		Gate valves, valves

Repair clamps / undrilled saddles



110-00G
Repair clamp
of stainless steel,
single tensioned



120-00G
Repair clamp
of stainless steel,
multiple tensioned



352-03G
Universal undrilled saddle



359-03G
Double-strap undrilled saddle

Maximum operating pressure



No.:	Description	Maximum operating pressure	Nominal diameter
110-00G	Repair clamp of stainless steel, single tensioned	5 bar	d 58 - 430 mm
120-00G	Repair clamp of stainless steel, multiple tensioned	5 bar	d 106 - 180 mm
352-03G	Universal undrilled saddle	5 bar	Cast iron, steel and asbestos cement from DN 65 to DN 400
359-03G	Double-strap undrilled saddle	5 bar	Cast iron, steel and asbestos cement from DN 150 to DN 400

Comments



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® For further information on our brands, please contact us at info@hawle.de or visit our website on www.hawle.de.
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