



Accessories

T11-000-003

Edition 4/2002 Page 1 of 4

Steam Siphons Acc. to DIN 16 282Instrument Connection: Form AG, BG, CG, DG - clamping sleeve 1/2" BSP
Form AM, BM, CM, DM - clamping sleeve M 20 x 1.5

	Form	Process Connection	Working Temperature up to °C	Max. Working Pressure bar	Material	Ordering No.	Available
	AG	1/2" BSP male	120 300 400	100 80 63	Carbon steel	Z-05 20 01	O
					316 st. st. (1.4571)	Z-05 30 01	O
	AM	M 20 x 1.5 male			Carbon steel	05 20 11	O
					316 st. st. (1.4571)	05 30 11	O
	BG	Welding end			Carbon steel	Z-05 20 02	O
					316 st. st. (1.4571)	Z-05 30 02	O
	BM		Carbon steel	05 20 12	O		
			316 st. st. (1.4571)	05 30 12	O		
	CG	1/2" BSP male	120 300 400	100 80 63	Carbon steel	Z-05 20 03	O
					316 st. st. (1.4571)	Z-05 30 03	O
	CM	M 20 x 1.5 male			Carbon steel	05 20 13	O
					316 st. st. (1.4571)	05 30 13	O
	DG	Welding end			Carbon steel	Z-05 20 04	O
					316 st. st. (1.4571)	Z-05 30 04	O
	DM		Carbon steel	05 20 14	O		
			316 st. st. (1.4571)	05 30 14	O		

Steam Siphons Similar to DIN**Steam Siphons Similar to DIN ¹⁾**

	Form	Process Connection	Max. Working Pressure bar	Material	Ordering No.	Available		Form	Process Connection	Max. Working Pressure bar ²⁾	Material ⁴⁾	Ordering No.	Available	
	Instrument connection: 1/2" BSP male						O		Instrument connection: clamping sleeve 1/2" BSP					
	U-Form	1/2" BSP male	25	Carbon steel	Z-05 20 05				1/2" BSP male	160	316 st. st.	05 30 24	O	
						Welding end	160		Carbon st.	05 20 26	O			
							316 st. st.		05 30 26	O				
	Instrument connection: clamping sleeve M 20 x 1.5						O		Instrument connection: clamping sleeve M 20 x 1.5					
	Pig tail	1/2" BSP male	25	Carbon steel	Z-05 20 06				M 20 x 1.5 male	160	316 st. st.	05 30 28	O	
							Welding end	160	Carbon st.	05 20 30	O			
								316 st. st.	05 30 30	O				

Weld Joint Fittings with Male Threads for Siphons Acc. to DIN 16 282

	Form	L	Connection	Material ⁴⁾	Ordering No.	Available		Form	Process Connection	Max. Working Pressure bar ²⁾	Material ⁴⁾	Ordering No.	Available
	4	45	1/2" BSP	Carbon st.	16 20 01	O		Instrument connection: clamping sleeve 1/2" BSP					
				316 st. st.	16 30 01	O		1/2" BSP male	160	Carbon st.	05 20 34	O	
			M 20 x 1.5	Carbon st.	16 20 11	O		Welding end	160	316 st. st.	05 30 34	O	
				316 st. st.	16 30 11	O		Instrument connection: clamping sleeve M 20 x 1.5					
	6	40	1/2" BSP left	Carbon st.	Z-16 20 02	O		Welding end	160	Carbon st.	05 20 40	O	
				316 st. st.	Z-16 30 02	O			316 st. st.	05 30 40	O		
			M 20 x 1.5 left	Carbon st.	16 20 12	O							
				316 st. st.	16 30 12	O							

Weld Joint Fitting ^{1) 3)} with Male Thread Connection

	Form	L	Connection	Material ⁴⁾	Ordering No.	Available
	4	25	M 12 x 1.5	Carbon st.	16 20 13	O
		35	M 20 x 1.5	Carbon st.	16 20 14	O
				316 st. st.	16 30 14	O
			85	Carbon st.	16 20 15	O
				316 st. st.	16 30 15	O
			6	25	M 12 x 1.5 left	Carbon st.
35	M 20 x 1.5			Carbon st.	16 20 17	O
				316 st. st.	16 30 17	O
	85			Carbon st.	16 20 18	O
				316 st. st.	16 30 18	O

¹⁾ limited quantities from stock available only²⁾ max. working temperature at 160 bar: +120 °C³⁾ former TGL 16 411; BSP threads upon request⁴⁾ 316 stainless steel: 1.4571

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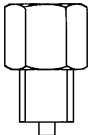
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Adapter

	Thread		Material	Ordering No.	Available
	Female	Male			
Male / Female Adapter					
	1/4" BSP	1/8" BSP	Brass	Z-08 10 01	0
		3/8" BSP	Brass	Z-08 10 02	0
		1/2" BSP	Brass	Z-08 10 03	0
			316 st. st. ⁴⁾	Z-08 30 03	0
1/2" BSP	M 12 x 1.5	Brass	Z-08 10 09	0	
		Carbon st.	Z-08 20 04	0	
	3/8" BSP	Brass	Z-08 10 05	0	
		316 st. st. ⁴⁾	not yet	0	
1/2" BSP	M 20 x 1.5	Brass	Z-08 10 07	0	
		Carbon st.	08 20 07	0	
	M 12 x 1.5	Brass	08 10 21	0	
		Carbon st.	08 20 21	0	
M 12 x 1.5	1/8" BSP	Brass	08 10 25	0	
		Carbon st.	08 20 22	0	
	1/4" BSP	Brass	08 10 22	0	
		316 st. st. ⁴⁾	not yet	0	
M 20 x 1.5	3/8" BSP	Brass	08 10 23	0	
		Carbon st.	08 20 23	0	
	1/2" BSP	Brass	08 10 24	0	
		316 st. st. ⁴⁾	08 30 24	0	

Union Nut Acc. to DIN 16 284³⁾

	Connection Thread	Material	Ordering No.	Available
		Carbon st.	Z-09 20 01	0
		316 st. st. ⁴⁾	Z-09 30 01	0
	5) M 12 x 1.5	Brass	Z-09 10 11	0
		Carbon st.	Z-09 20 11	0
		316 st. st. ⁴⁾	Z-09 30 11	0
	1/2" BSP	Brass	Z-09 10 02	0
		Carbon st.	Z-09 20 02	0
		316 st. st. ⁴⁾	Z-09 30 02	0
	5) M 20 x 1.5	Brass	Z-09 10 12	0
		Carbon st.	Z-09 20 12	0
		316 st. st. ⁴⁾	Z-09 30 12	0

Nipple DIN 16 284 / Nipple Similar to DIN 16 284

	for	DIN	Material	Ordering No.	Available
			Carbon st.	Z-19 20 01	0
			316 st. st. ⁴⁾	Z-19 30 01	0
	for	DIN	Brass	Z-19 10 02	0
	1/2" BSP and M 20 x 1.5		Carbon st.	Z-19 20 02	0
			316 st. st. ⁴⁾	Z-19 30 02	0
	for	Similar to DIN	Brass ⁵⁾	Z-19 10 21	0
	M 12 x 1.5		Carbon st.	Z-19 20 21	0
			316 st. st. ⁴⁾⁵⁾	Z-19 30 21	0
	for		Brass ⁵⁾	Z-19 10 22	0
	M 20 x 1.5		Carb. st. ⁵⁾	Z-19 20 22	0
			316 st. st. ⁴⁾⁵⁾	Z-19 30 22	0

Female / Female Adapter (with Bridge)

	Material	Ordering No.	Available
1/4" BSP - M 12 x 1.5 r/r	Carbon st.	14 20 01	0
	—	—	—
1/2" BSP - M 20 x 1.5 r/r	Brass	14 10 02	0
	Carbon st.	14 20 02	0
	316 st. st. ⁴⁾	not yet	Up.request


Compression Tube Fitting for Pressure Gauges

	Connection Thread	PN / for Pipe Ø	Material	Ordering No.	Available
	1/2" BSP	600 / 6 mm	Carbon st.	13 20 03	0
			316 st. st. ⁴⁾	13 30 01	0
		600 / 8 mm	Carbon st.	13 20 04	0
			316 st. st. ⁴⁾	13 30 02	0
	600 / 10 mm	Carbon st.	13 20 05	0	
		316 st. st. ⁴⁾	13 30 03	0	
	600 / 12 mm	Carbon st.	13 20 06	0	
		316 st. st. ⁴⁾	13 30 04	0	

Male / Male Adapter

	Material	Ordering No.	Available
M 20 x 1,5 - M 20 x 1,5 rh/rh	Carbon st.	15 20 01	0
	316 st. st. ⁴⁾	15 30 01	0
M 20 x 1,5 - M 20 x 1,5 rh/lh	Brass	15 10 02	0
	Carbon st.	15 20 02	0
	—	—	—

Clamping Sleeve Acc. to DIN 16 283

	Connection		Material	Ordering No.	Available
	Right-hand	Left-hand			
	1/2" BSP	1/2" BSP	Brass	Z-10 10 01	0
			Carbon st.	Z-10 20 01	0
			316 st. st. ⁴⁾	Z-10 30 01	0
1/2" BSP	M 20 x 1.5	Brass	10 10 02	0	
		Carbon st.	Z-10 20 02	0	
M 12 x 1.5	M 12 x 1.5	Brass	10 10 04	0	
		Carbon st.	10 20 04	0	
M 20 x 1.5	M 20 x 1.5	Brass	10 10 03	0	
		Carbon st.	10 20 03	0	
		316 st. st. ⁴⁾	10 30 03	0	

Flat Sealing Ring EN 837 (DIN 16 258)

	For Thread	Material	Ordering No.	Available
		Copper	Z-11 80 01	0
		PTFE ¹⁾	Z-11 90 03	0
1/2" BSP and M 20 x 1.5		BA-CF 500	Z-11 90 02	0
		Aluminum	Z-11 70 02	0
		Copper	Z-11 80 02	0
		PTFE ²⁾	Z-11 90 04	0
		316 st. st. ⁴⁾	Z-11 30 01	0

Special Sealing Ring for inside centering through centering tube, e.g. connection B according to DIN 16 288

	For Thread	Material	Ordering No.	Available
	1/2" BSP, M 20 x 1.5	Copper	11 80 06	0

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¹⁾ PTFE 1.5 mm ± 0.5 mm thick

³⁾ one side for slipping over nipple / one side female thread

⁵⁾ limited quantities (remaining stock) available only

²⁾ PTFE 2.5 mm ± 0.5 mm thick

⁴⁾ 316 stainless steel: 1.4571

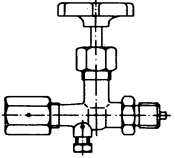


Accessories

T11-000-003
Edition 4/2002 Page 3 of 4

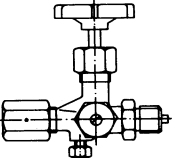
Pressure Gauge Valve Acc. to DIN 16 270

Data Sheet 11200

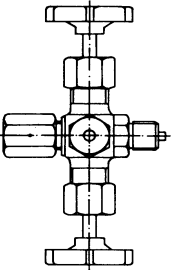
	Connections	PN	Material	Form A ¹⁾		Form B ²⁾	
				Ordering No.	Available	Ordering No.	Available
				Male and female 1/2" BSP ^{1) 2)}	100 ³⁾	Brass	not yet
250	Z-02 10 01	O	02 10 11		O		
100 ³⁾	Carbon steel	not yet	O		—	—	
400		Z-02 20 01	O		02 20 11	O	
100 ³⁾	316 stainl. st. ⁵⁾	not yet	O		—	—	
400		Z-02 30 01	O		02 30 11	O	
Male and female M 20 x 1.5 ^{1) 2)}	250	Brass	02 10 21	O	—	—	
	400	Carbon steel	02 20 21	O	—	—	
	400	316 stainl. st. ⁵⁾	02 30 21	O	—	—	

Pressure Gauge Valve Acc. to DIN 16 271

Data Sheet 11200

	Connections	PN	Material	Form A ¹⁾		Form B ²⁾	
				Ordering No.	Available	Ordering No.	Available
				Test flange 60 x 25 mm, male and female connections 1/2" BSP ^{1) 2)}	250	Brass	02 10 02
400	Carbon steel	02 20 02	O		not yet		
400	316 stainl. st. ⁵⁾	02 30 02	O		not yet		
Test flange 60 x 25 mm, male and female connections M 20 x 1.5 ¹⁾	250	Brass	not yet	Upon request	—	—	
	400	Carbon steel	not yet		—	—	
	400	316 stainl. st. ⁵⁾	not yet		—	—	
Test connection M 20 x 1.5 male and female connections 1/2" BSP ^{1) 2)}	250	Brass	Z-02 10 03	O	02 10 13	O	
	400	Carbon steel	Z-02 20 03	O	02 20 13	O	
	400	316 stainl. st. ⁵⁾	Z-02 30 03	O	02 30 13	O	
Test connection M 20 x 1.5 male and female connections M 20 x 1.5 ¹⁾	250	Brass	02 10 23	O	—	—	
	400	Carbon steel	02 20 23	O	—	—	
	400	316 stainl. st. ⁵⁾	02 30 23	O	—	—	

Pressure Gauge Double Valve Acc. to DIN 16 272

	Connections	PN	Material	Form A ¹⁾		Form B ²⁾	
				Ordering No.	Available	Ordering No.	Available
				Test flange 60 x 25 mm, male and female connections 1/2" BSP ^{1) 2)}	250	Brass	02 10 04
400	Carbon steel	02 20 04	O		not yet		
400	316 stainl. st. ⁵⁾	02 30 04	O		not yet		
Test flange 60 x 25 mm, male and female connections M 20 x 1.5 ¹⁾	250	Brass	not yet	Upon request	—	—	
	400	Carbon steel	not yet		—	—	
	400	316 stainl. st. ⁵⁾	not yet		—	—	
Test connection M 20 x 1.5, male and female connections 1/2" BSP ^{1) 2)}	250	Brass	Z-02 10 05	O	not yet	Upon request	
	400	Carbon steel	Z-02 20 05	O	not yet		
	400	316 stainl. st. ⁵⁾	Z-02 30 05	O	not yet		
Test connection M 20 x 1.5, male and female connections M 20 x 1.5 ¹⁾	250	Brass	not yet	Upon request	—	—	
	400	Carbon steel	not yet		—	—	
	400	316 stainl. st. ⁵⁾	not yet		—	—	

Special Options

Inspection certificate 3.1 B acc. to EN 10204, 3.1B for the material	Upon request
Version for oxygen service ⁴⁾ free of grease and oil	Upon request

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¹⁾ form A: male / female connection thread

²⁾ form B: nipple and union nut / male thread with fitting for gauge holder bracket

³⁾ with DVGW registration
⁴⁾ PN max. 100 bar

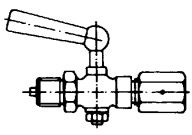
⁵⁾ 316 stainless steel: 1.4571



Accessories

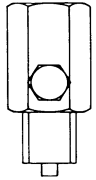
T11-000-003
Edition 4/2002 Page 4 of 4

Pressure Gauge Cock Acc. to DIN 16 262 Data Sheet 11100

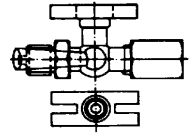
	Connections	PN	Material	Ordering No.	Available
	Male and female 1/2" BSP	16	16	Brass	Z-01 10 01
Carbon st.				Z-01 20 01	O
316 st.st. ³⁾				Z-01 30 01	O
Male and female M 20 x 1.5	16	16	Brass	01 10 11	O
			Carbon st.	01 20 11	O
			316 st.st. ³⁾	01 30 11	O

Snubber,

adjustable with sideways fixable spindle, female and male thread

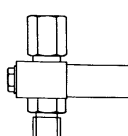
	Connections	PN	Material	Ordering No.	Available
	1/2" BSP	16	16	250 Brass	Z-03 10 01
400 Carbon st.				Z-03 20 01	O
400 316 st.st. ³⁾				Z-03 30 01	O
M 20 x 1.5	16	16	250 Brass	Z-03 10 02	O
			400 Carbon st.	Z-03 20 02	O
			400 316 st.st. ³⁾	Z-03 30 02	O

Pressure Gauge Cock DIN 16 263 with Test Flange 60 x 25 mm Data Sheet 11100

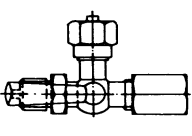
	Connections	PN	Material	Ordering No.	Available
	Male and female 1/2" BSP	16	16	Brass	Z-01 10 02
Carbon steel				Z-01 20 02	O
316 st.st. ³⁾				Z-01 30 02	O

Overrange Protector

Adjustable, Male and Female 1/2" BSP¹⁾ Data Sheet 11500

	Adjustable Ranges	Material	Ordering No.	Available
	0.4 - 2.5 bar	Brass	04 10 01	O
2 - 6 bar	04 10 02		O	
5 - 25 bar	04 10 03		O	
20 - 60 bar	04 10 04		O	
50 - 250 bar	04 10 05		O	
240 - 400 bar	04 10 06		O	
0.4 - 2.5 bar	316 stainless steel (1.4571)	04 30 01	O	
2 - 6 bar		04 30 02	O	
5 - 25 bar		04 30 03	O	
20 - 60 bar		04 30 04	O	
50 - 250 bar		04 30 05	O	
240 - 400 bar		04 30 06	O	

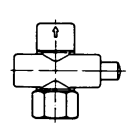
Pressure Gauge Cock Acc. to DIN 16 263, Test Connection Male M 20 x 1.5 Data Sheet 11100

	Connections	PN	Material	Ordering No.	Available
	Male and female 1/2" BSP	16	16	Brass	Z-01 10 03
Carbon st.				Z-01 20 03	O
316 st.st. ³⁾				Z-01 30 03	O
Male and female M 20 x 1.5	16	16	Brass	o	Upon request
			Carbon steel	o	Upon request

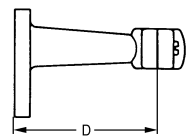
Extra Charges €

	Brass	316 st.st. ³⁾
For oxygen service free of grease/oil ²⁾	o	o
Connection thread 1/2" NPT	—	o
Connection thread M 20 x 1.5	Upon request	
with DVGW registration	o	

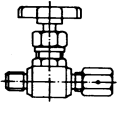
Push Button Valve, DVGW Registration up to PN 4

	Connections	PN	Material	Ordering No.	Available
	Both sides female 1/2" BSP	25	25	nickel plated brass	Z-02 10 07

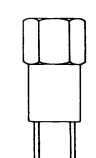
Gauge Holder Bracket Acc. to DIN 16 281

	Distance D (mm)	Material	Ordering No.	Available
	60	Alu-minum black	Z-06 70 01	O
100	Z-06 70 02		O	
160	Z-06 70 03		O	
60	316 st. st. (1.4571)	06 30 01	O	
100		Z-06 30 02	O	
160		06 30 03	O	

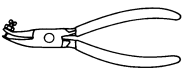
Mini Shut -Off Valve

	Connections	PN	Material	Ordering No.	Available
	Male and female 1/4" BSP	125	125	Brass	Z-02 10 06
250		250	Carbon steel	Z-02 20 06	O

Fitting for Gauge Holder Brackets Acc. to DIN 16 281

	Connections male / female	Material	Ordering No.	Available
	1/2" BSP	DIN, Ø 26, SW 27	Brass	Z-07 10 01
Carbon st.			Z-07 20 01	O
316 st.st. ³⁾			Z-07 30 01	O
M 20 x 1.5	DIN, Ø 26, SW 27	Brass	07 10 02	O
		Carbon st.	07 20 02	O
		316 st.st. ³⁾	07 30 02	O

Pointer Remove Pliers

	Ordering No.	Available
	Z-12 20 01	O

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¹⁾ if mounted to the gauge at our factory, adjustment will be 1.1 x full scale range, except in case of special advise

²⁾ for max. 50 bar resp. +60 °C available only

³⁾ 316 stainless steel: 1.4571