→ Series 2183

2183

Dirt trap made of gunmetal, in straight-through



SUITABLE FOR

Liquids	neutral and non-neutral	
Air, gases and vapours	neutral and non-neutral	

EXAMPLES OF USE

Dirt trap in straight-through form for use on cryogenic tanks, cryogenic containers, transport containers and systems for the production, storage and transport of cryogenic liquefied gases such as LIN, LOX, CO2, LAr, LNG.

- N_2 in pharmaceutical / foodstuffs applications
- O_2 for medical supply equipment
- CO_2 for foodstuffs/ industrial applications
- LAr for welding
- Cooling plants

The fittings are always manufactured free of oil and grease.

MATERIAL

SPECIFICATION

DN 10 - DN 50 | –196°C to +120°C | PN 63

APPROVALS

EU type examination

TR ZU 032/2013 - TR ZU 010/2011

Requirements

DGR 2014/68/EU
UK PESR 2016 No. 1105

MATERIAL

Component	Material	DIN EN	ASME
Body	Gunmetal	CC499K	CC499K
Valve upper section	Stainless steel	1.4408 / 1.4404	CF8M / 316L
Screws	Stainless steel	1.4301	304
Seal valve upper section	PTFE mod.	PTFE mod.	PTFE mod.
Strainer	Stainless steel	1.4301	304

Serie 2183 ■ VALVE VERSION

s	Standard	for neutral and non-neutral media

■ MEDIUM

GF	gaseous and liquid	Cryogenic liquified gases, vapours and liquids, for gaseous oxygen maximum 40 bar / maximum 60 C

■ MESH SIZE STRAINER

025	Mesh size 250µm (standard)
010	Mesh size 100µm (on request)

■ MATERIAL STRAINER

	Material	DIN EN	ASME
01	stainless steel	1.4301	304

other materials available on request.

■ AVAILABLE NOMINAL DIAMETERS AND CONNECTION SIZES

Nominal diameter DN		**10**	**15**	**20**	**25**	**32**	**40**	**50**
Inlet		3/8“ (10)	1/2“ (15)	3/4“ (20)	1“ (25)	1 1/4“ (32)	1 1/2“ (40)	2“ (50)
Outlet	3/8“ (10)	■						
	1/2“ (15)		■					
	3/4“ (20)			■				
	1“ (25)				■			
	1 1/4“ (32)					■		
	1 1/2“ (40)						■	
	2“ (50)							■

■ TYPE OF CONNECTION INLET / OUTLET

LM1 / LM1	soldering socket LM1 / soldering socket LM1	DIN EN ISO 1127 / DIN EN ISO 1127
LM2 / LM2	soldering socket LM2 / soldering socket LM2	ASTM A312 S10 / ASTM A312 S10
LM3 / LM3	soldering socket LM3 / soldering socket LM3	ASTM A312 S40 / ASTM A312 S40
LM4 / LM4	soldering socket LM4 / soldering socket LM4	DIN EN 12449 / DIN EN 12449
f / f	female thread BSP-P / female thread BSP-P	DIN EN ISO 228-1 / DIN EN ISO 228-1
NPTF-f / NPTF-f	female thread NPTF-f / female thread NPTF-f	ANSI B1.20.3 / ANSI B1.20.3

* Threaded connection and other connections on request.

■ DIMENSIONS AND ORDERING CODE FOR PIPE CONNECTIONS

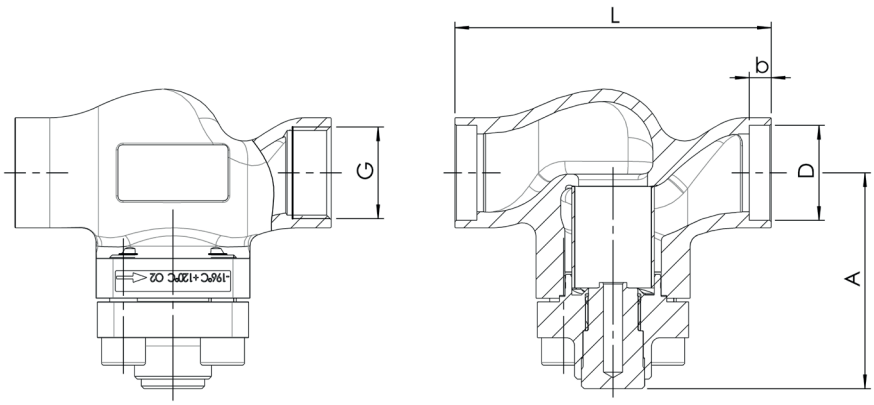
Nominal diameter	**DN**	**10***	**15***		**20***	**25**	**32***	**40**	**50***
Connection type for pipes according to DIN EN ISO 1127	D	17,2	21,3		26,9	33,7	42,4	48,3	60,3
Dimensions for soldering socket **LM1** / soldering socket **LM1**	e	2,3	2,6		2,9	3,2	3,2	3,6	3,6
Order code **XX**		CK	CL		CM	BN	CN	CO	CP
Connection type for pipes according to ASTM A312 S10	D	17,15	21,34		26,67	33,40	42,16	48,26	60,33
Dimensions for soldering socket **LM2** / soldering socket **LM2**	e	1,65	2,11		2,11	2,77	2,77	2,77	2,77
Order code **XX**		AS	AU		AW	AY	BA	BC	BE
Connection type for pipes according to ASTM A312 S40	D	17,15	21,34		26,67	33,40	42,16	48,26	60,33
Dimensions for soldering socket **LM3** / soldering socket **LM3**	e	2,31	2,77		2,87	3,38	3,56	3,68	3,91
Order code **XX**		AT	AV		AX	AZ	BB	BD	BF
Connection type for pipes according to DIN EN 12449	D	12	15	18	22	28,00	35	42,00	54
Dimensions for soldering socket **LM4** / soldering socket **LM4**	e	1	1,5	1,5	1,5	1,50	1,5	1,50	2
Order code **XX**		AA	AC	BH	BI	BJ	BK	BL	BM

* Available from 2023.

NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

Series 2183: Connection, installation dimensions									
Nominal diameter	**DN**	**10**		**15**	**20**	**25**	**32**	**40**	**50**
Pressure level	**PN**	63	63	63	63	63	63	63	63
Operating pressure	**bar**	63	63	63	63	63	63	63	63
Threaded connection	**G**	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Installation dimensions in mm	**L**	60		85	85	115	115	140	160
	b	6		6	8	8	10	13	20
	A	75		77	74,5	79	106	104	106,5
Weight	**kg**	0,7		0,9	1,2	1,4	2,2	3,1	4,7
Kvs-value	**m³/h**	1,6		3,6	6,5	10,2	14	19,2	31
Cv-value	**gal/min**	1,9		4,2	7,6	11,9	16,3	22,4	36,1

MAIN DIMENSIONS, INSTALLATION DIMENSIONS



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Series 2183 ■ INDIVIDUAL SELECTION / VALVE CONFIGURATION

Series	Valve version	Medium	Mesh size strainer	Material strainer	Nominal diameter DN	Connection type		Connection size
						Inlet	Outlet	Inlet / Outlet
2183	**s**	**GF**	*025*	*01*	*25*	*LM4 / LM4*	*LM4 / LM4*	*BJ / BJ*
2183	**s**	**GF**	*016*	*01*	*40*	*f*	*f*	*40/40*
2183								
2183								

■ CERTIFICATES / APPROVALS

C01	Factory certificate acc. DIN EN 10204 2.2 (WKZ 2.2)	☐	**C06**	ATEX evaluation acc. to 2014/34/EU	☐
C02	Test certificate acc. DIN EN 10204 3.1 (WPZ 3.1)	☐	**C11**	Certification of the production process especially for gaseous oxygen applications by employment of specific materials	☐
C03	Material test certificate acc. DIN EN 10204 3.1 (MPZ 3.1) (pressure retaining part)	☐			☐

■ ADMISSIONS / ACCREDITATIONS

AA1	EC Type examination acc. to Directive 2014/68/EU	☐			☐
AA4	EAC - certificate/declaration with passport for the valve and laser marking of the valve	☐			☐
AA11	UK Type examination acc. to Directive UK PESR 2016 No. 1105	☐			☐

■ ENQUIRY

Copy and send to: order@goetze-armaturen.de.