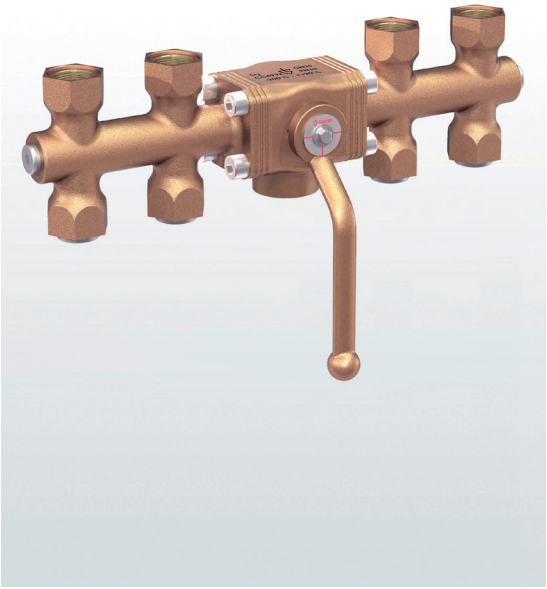
→ Series 2782

2782

Diverter ball valve made of gunmetal with threaded connection



SUITABLE FOR

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

EXAMPLES OF USE

Diverter ball valve for the installation of for example two safety valves in combination with bursting discs for the protection of containers designed for the storage of cryogenic gases. The requirements of the PED relating to redundant or diverse safety devices are fulfilled by this fitting in combination with safety valves of the 2400 / 2480 series. On each side two additional connections for bursting discs are available.

In case the safety valves need to be maintained or the bursting discs replaced, the side requiring maintenance can be shut off.

- For the storage of cryogenic liquified gases, such as LIN, LOX, LAr, CO_2, 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 ball-valves are oil- and grease-free as standard. For applications with oxygen (O2) applicable up to maximum 40 bar and 60°C.

EAC

MATERIAL

SPECIFICATION

3/4“ – 1“	– 200°C to + 120°C	PN 63

APPROVALS

TR ZU 010/2011

Anforderungen

AD 2000-Merkblatt A4
DGR 2014/68/EU

MATERIAL

Component	Material	DIN EN	ASTM
Body	Gunmetal	CC499K	CC499K
Internal parts	Stainless steel	1.4404	316L
Primary Seal	PTFE mod.	PTFE mod.	PTFE mod.
Secondary Seal	PTFE	PTFE	PTFE

Series 2782 ■ BALL VERSION

B01	L-Bore
B02	T-Bore

■ MEDIUM

GF	gaseous and liquid	cryogenic liquified gases, vapours and liquids

■ TYPE OF OPERATION

A01	cranked handle made of gunmetal

■ AVAILABLE NOMINAL DIAMETERS AND CONNECTION SIZES

Nominal diameter DN		**20**	
Inlet		1“ (25)	NPT 1“ (25)
Outlet	1/2“ (15)	■	
	1/2“ - 3/4" (15/20)	■	
	1/2“ NPT (15)		■
	1/2“ NPT (15)- 3/4" NPT (15/20)		■

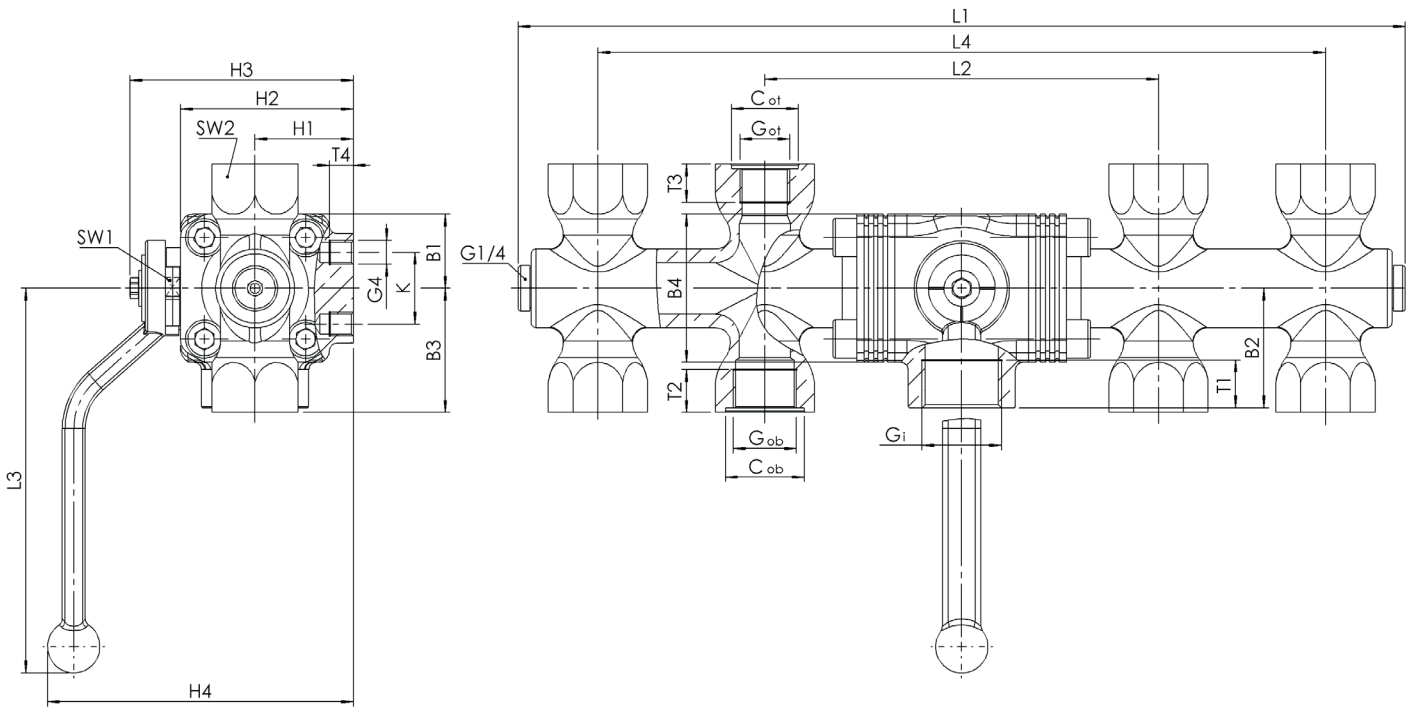
■ TYPE OF CONNECTION INLET / OUTLET THREADED CONNECTIONS

f / f	Standard	Female thread BSP-P / Female thread BSP-P	DIN EN ISO 228-1 / DIN EN ISO 228-1
NPT-f / NPT-f		Female thread NPT-f / Female thread NPT-f	ANSI B1.20.1 / ANSI B1.20.1

NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

Series 2782: Connection, installation dimensions					
Nominal diameter	**DN**	**20**			
Connection	**Gi**	1" (25)	1" (25)	NPT 1" (25)	NPT 1" (25)
Outlet	**Gob / Got**	1/2" (15)	1/2"-3/4" (15/20)	1/2" NPT (15)	1/2" NPT -3/4" NPT (15/20)
Installation dimensions in mm	**Cot**	28	33	-	-
	Cob	28	28	-	-
	T1	20	20	20	20
	T2/T3	15	15	15	15
	H1	41	41	41	41
	H2	72	72	72	72
	H3	94	94	94	94
	H4	128	128	128	128
	B1	31	31	31	31
	B2	50	50	50	50
	B3	52	52	52	52
	B4	62	62	62	62
	L1	231	231	231	231
	L2	165	165	165	165
	L3	161	161	161	161
	L4	305	305	305	305
	SW1	9	9	9	9
	SW2	36	36	36	36
	K	30	30	30	30
	G4	M10	M10	M10	M10
	T4	10	10	10	10
Narrowest diameter	**d0**	16	16/21,5	16	16 /21,5
Test port	**G1/4**	1/4"	1/4"	1/4"	1/4"
Weight	**kg**	5,9	5,7	5,9	6,1
Kvs-value	**m3/h**	6,9	6,9 / 12,2	6,9	6,9 / 12,2

MAIN DIMENSIONS, INSTALLATION DIMENSIONS



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Series 2782 ■ INDIVIDUAL SELECTION / VALVE CONFIGURATION

Series	Ball Version	Medium	Operation	Nominal diameter DN	Connection type		Connection size		Options	Quantity
					Inlet	Outlet	Inlet	Outlet		
2782	*B02*	GF	A01	*20*	*f*	*f*	*20*	*15*		*2*
2782		GF	A01							
2782		GF	A01							
2782		GF	A01							

■ TECHNICAL FINISHES, VARIANTS, ACCESSORIES

S75	fitted with lateral overflow valve DN10 to prevent the activation of the safety valves	☐
S76	fitted with lateral overflow valve DN15 to prevent the activation of the safety valves	☐
A15	Diverter ball valve with shut-off device	☐
		☐

■ CERTIFICATES / APPROVALS

C01	Factory certificate acc. DIN EN 10204 2.2 (WKZ 2.2)	☐	**C05**	Sealing material manufacturer certification (FDA, USP 3, 3-A...), Please indicate description of certificate:	☐
C02	Test certificate acc. DIN EN 10204 3.1 (WPZ 3.1)	☐	**C06**	ATEX evaluation acc. to 2014/34/EU	☐
C03	Material test certificate acc. DIN EN 10204 3.1 (MPZ 3.1) (pressure retaining part)	☐	**C11**	Certification of the production process especially for gaseous oxygen applications by employment of specific materials	☐

■ ADMISSIONS / ACCREDITATIONS

AA4	EAC - certificate/declaration with passport for the valve and laser marking of the valve	☐	**AL**	Individual inspection by notified body inspector – (body to be indicated):	☐
		☐			☐
		☐			☐

■ ENQUIRY

Copy and send to: order@goetze.de.