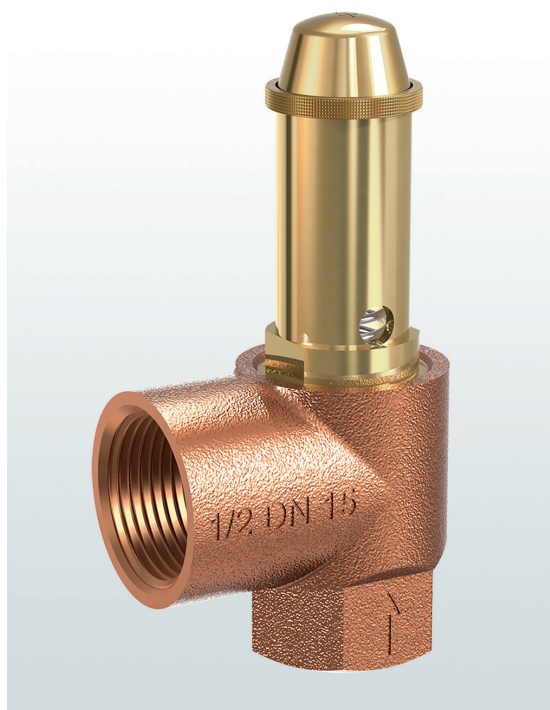


651mWNK

Safety valves made of
gunmetal, angle-type with
threaded connections

→ Series 651mWNK



■ MATERIAL



■ SPECIFICATION



1/2" – 1 1/4"



– 10°C to + 95°C



3,0 – 10 bar

■ SUITABLE FOR

Potable water cold up to 40°C



Potable water hot up to 95°C



■ EXAMPLES OF USE

For the protection of:

- closed circuit water heaters for drinking water and process water according to DIN EN 12897, TRD 721, DIN 4753 and DIN 1988 for temperatures up to max. 95°C.

The safety valve is installed in the cold water inlet of the hot water heater according to DIN 1988.

- water heaters for potable and process water and -storage tanks

Safety valves are set and sealed at the factory.

■ APPROVALS

TÜV Type test approval 2013 W

EU type examination W

TSG ZF001-2006 W

TR ZU 032/2013 - TR ZU 010/2011 W

Type approval ACS

Type approval ÜA (R-15.2.4-21-17231 Land Salzburg)

Requirements

DIN EN 1491
DIN EN 12897
TRD 721
DIN 4753
DIN 1988
PED 2014/68/EU

Classification society

American Bureau of Shipping	ABS
DNV	DNV
Russian Maritime Register of Shipping	RS
Lloyd's Register EMEA	LR EMEA

■ MATERIALS

Component	Material	DIN EN	ASME
Inlet body	Gunmetal	CC499K	CC499K
Outlet body	Gunmetal	CC499K	CC499K
Internal parts	Brass	CW617N	CW617N
Spring	Spring steel with anti-rust protection	1.1200	ASTM A228

Series 651mWNK ■ VALVE VERSION

m	Standard with diaphragm	The diaphragm prevents the medium entering into the spring housing and protects moving parts from being affected by the medium.
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■ MEDIUM

WN	Warm water (national for Germany)	Water heaters with temperatures ≤ 95°C
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■ TYPE OF LIFTING MECHANISM

K	Standard with twist-type lifting mechanism
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■ AVAILABLE NOMINAL DIAMETERS AND CONNECTION SIZES

Nominal diameter DN		15	20	25	32
Inlet		1/2" (15)	3/4" (20)	1" (25)	1 1/4" (32)
Outlet	1/2" (15)				
	3/4" (20)	■			
	1" (25)		■		
	1 1/4" (32)			■	
	1 1/2" (40)				■

■ TYPE OF CONNECTION INLET / OUTLET THREADED CONNECTIONS

f / f	Standard	Female thread BSP-P / Female thread BSP-P	DIN EN 10226, ISO 7-1 / DIN EN 10226, ISO 7-1
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■ SEALS

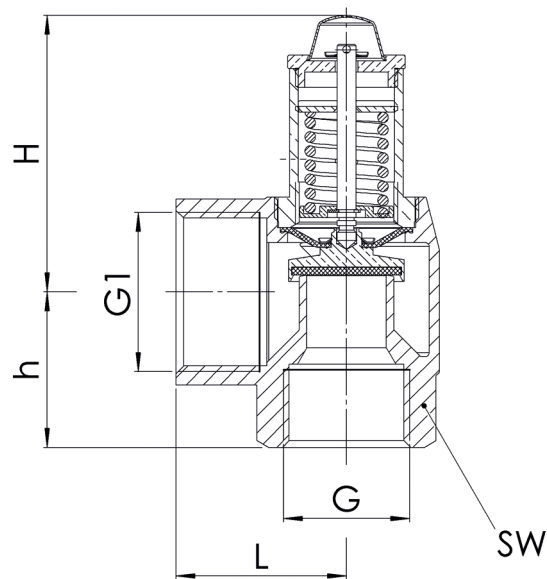
EPDM	Ethylene propylene diene	Elastomere flat seal and diaphragm (up to 100% glycol resistant)	−10°C to +95°C
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■ NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

Series 651mWNK: Connection, installation dimensions, ranges of adjustment					
Nominal diameter	DN	15	20	25	32
Connection DIN EN 10226-1	G	1/2" (15)	3/4" (20)	1" (25)	1 1/4" (32)
Outlet DIN EN 10226-1	G1	3/4" (20)	1" (25)	1 1/4" (32)	1 1/2" (40)
Installation dimensions in mm	L	34	40	45	55
	H	70	65	75	85
	h	28	34	41	47
	SW	27	32	41	50
Weight	kg	0,3	0,45	0,75	1,1
Set pressure ¹	bar	6; 8; 10	6; 8; 10	6; 8; 10	6; 8; 10

¹Other set pressures available on request against surcharge

■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS



■ INDIVIDUAL SELECTION / VALVE CONFIGURATION

Series	Valve version	Medium	Lifting device	Nominal diameter DN	Connection type		Connectiongröße		Seal	Options	Set pressure	Quantity
					Inlet	Outlet	Inlet	Outlet				
651	m	WN	K	25	f	f	25	32	EPDM		6,0	10
651	m	WN	K		f	f			EPDM			
651	m	WN	K		f	f			EPDM			
651	m	WN	K		f	f			EPDM			

■ CLASSIFICATION OF SAFETY VALVES FOR EXPANSION WATER ACCORDING TO DIN EN 1491

Series 651mWNK: Classification of valve size and max. heat output in kW							
Warm water	Nominal diameter DN		15	20	25	32	40
	Set pressure bar		6; 8; 10	6; 8; 10	6; 8; 10	6; 8; 10	6; 8; 10
	Contents of the service water tank in l	over to		200	1.000		
			200	1.000	5.000	/	/
Max. permissible heating output in kW			75	150	250	350	600