

→ Series 651mWNK VA

651mWNK VA

Safety valves made of stainless steel, angle-type with threaded connections

■ 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 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 532 W

EU type examination W

Type approval ACS

Requirements

TRD 721
DIN 4753
DIN 1988
DGR 97/23/EG

Classification society

American Bureau of Shipping ABS



■ MATERIAL



■ SPECIFICATION



1/2"



- 10°C bis + 95°C



3,0 – 10 bar

■ MATERIALS

Bauteil	Werkstoff	DIN EN	ASME
Inlet body	Stainless steel	1.4408	CF8M
Outlet body	Stainless steel	1.4408	CF8M
Spring housing	Nickel plated brass	CW617N	CW617N
Internal wetted parts	Stainless steel	1.4404	316L
not wetted parts	Brass	CW617N	CW617N
Spring	Stainless steel	1.1200	ASTM A 228

■ 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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■ VARIATION

VA	wetted parts made of stainless steel
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■ AVAILABLE NOMINAL DIAMETERS AND CONNECTION SIZES

Nominal diameter DN	15
Inlet	1/2" (15)
Outlet	1/2" (15)
	3/4" (20)

■ 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 fl at seal and diaphragm (up to 100% glycol resistant)	-10°C to +95°C
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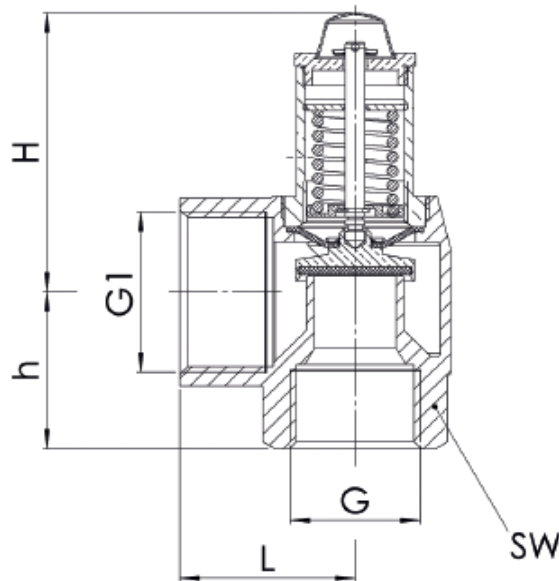
■ **NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS**

Series 651mWNK VA : Connection, installation dimensions, ranges of adjustment

Nominal diameter	DN	15
Connection DIN EN 10226-1	G	1/2" (15)
Outlet DIN EN 10226-1	G1	3/4" (20)
Installation dimensions in mm	L	34
	H	70
	h	28
	SW	27
Weight	kg	0,3
Set pressure ¹	bar	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	Variation	Nominal diameter DN	Connection type		Connectiongröße		Seal	Set pressure	Quantity
						Inlet	Outlet	Inlet	Outlet			
651	m	WN	K	VA	15	f	f	15	20	EPDM	6,0	10
651	m	WN	K	VA	15	f	f	15	20	EPDM		
651	m	WN	K	VA	15	f	f	15	20	EPDM		
651	m	WN	K	VA	15	f	f	15	20	EPDM		

■ CAPACITY TABLE

Series 651mWnk VA : Blowing-off rates at 10% above set pressure			
Nominal diameter DN		15	
Set pressure bar		6; 8; 10	
Warm water	Contents of the service water tank in l	over to	200
	Max. permissible heating output in kW		75