

## Vacuum breaker (Stainless steel)

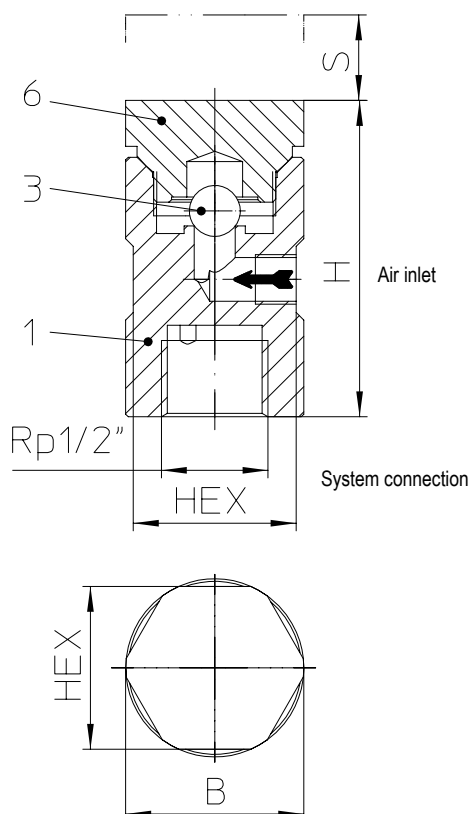


Fig. 655....2 with screwed sockets

Figure	Nominal pressure	Material	NPS	Operating pressure PS	Inlet temperature TS	Set pressure	Kvs-value
52.655	PN16	1.4301	Rp 1/2	13 barg	400 °C	7 mbar	0,55 m3/h
55.655	PN40	1.4301	Rp 1/2	13 barg	400 °C	7 mbar	0,55 m3/h
				21 barg	220 °C		

For ANSI versions refer to data sheet CONA®Components-ANSI

Types of connection		Other types of connection on request
• System connection ....2 _____ Rp 1/2 (DIN EN10226-1) / NPT 1/2 (ANSI B1.20.1)	A dropping line can be connected. The line has to be led to an outlet.	
• Air inlet _____ Rp 1/8 (DIN EN10226-1) / NPT 1/8 (ANSI B1.20.1)		
Features		
<ul style="list-style-type: none"><li>• Ventilation valve for pipelines, condensing vapour (steam) or liquid systems, where the system pressure should not fall below the atmospheric pressure.</li><li>• Vertical position, cap on top.</li><li>• System connection downwards.</li></ul>		
Selection criteria		Example for order data
<ul style="list-style-type: none"><li>• Operating pressure</li><li>• Operating temperature</li><li>• Flow quantity</li></ul>	<ul style="list-style-type: none"><li>• Nominal diameter / pressure</li><li>• Type of connection</li><li>• Material</li></ul>	Vacuum breaker, System connection Rp, PN 40, NPS 1/2", => <b>Vacuum breaker, Fig. 655, PN 40, DN 1/2", System connection Rp.</b>

Types of connection	System connection (Rp / NPT)
NPS	1/2"

Dimensions		
H	(mm)	62
B	(mm)	35
S	(mm)	10
HEX	(mm)	32

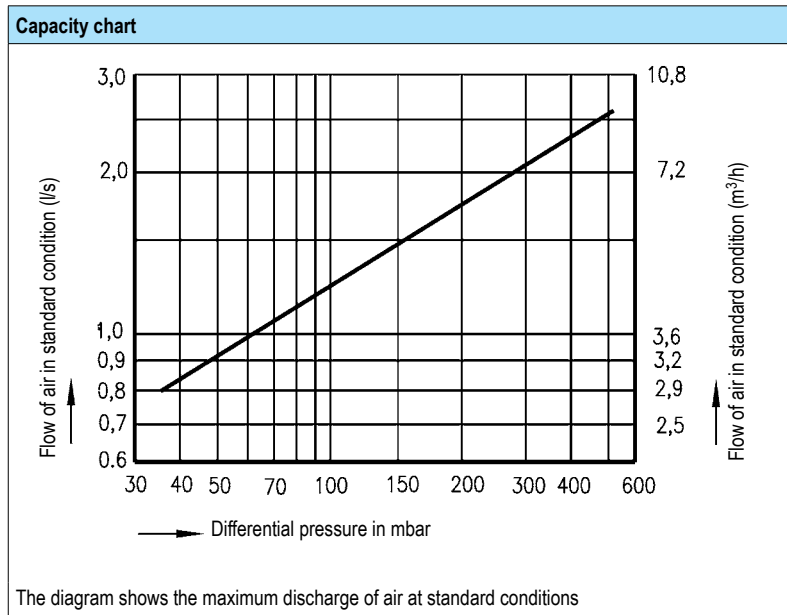
Weights		
Fig. 655	(approx.) (kg)	0,38

Parts			
Pos.	Sp.p.	Description	Fig. 52.655 / 55.655
1	x (cpl. unit)	Body	X5CrNi18-10, 1.4301
3		Valve ball	X5CrNiMo17-12-2, 1.4401
6		Cap	X17CrNi16-2, 1.4057
	L Spare parts		

Information / restriction of technical rules need to be observed!

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at [www.ari-armaturen.com](http://www.ari-armaturen.com).



## Informations about pipe welding

### Welding groove acc. to DIN 2559

The material used for ARI valves with butt weld ends are:	1.0619+N	GP240GH+N acc. to DIN EN 10213-2
	1.0460	P250GH acc. to DIN EN 10222-2
<b>Note:</b>	1.0401	C15 acc. to DIN 10277-2
Note restriction on operating pressure / inlet temperature depending to design!	1.4408	GX5CrNiMo19-11-2 acc. to DIN EN 10213-4

Due to our experience, we recommend to apply an electric welding process.

Because of the different material compositions and wall thickness of the steam traps and the pipe gas welding shall not be applied. Quenching cracks and coarse grain structure may develop.

On bimetallic steam traps face-to-face of 95 mm or less, the bimetallic controller has to be disassembled prior to welding. After the traps have cooled down to the ambient temperature the bimetallic controller shall be fitted again into the body.

Steam traps with socket-weld ends shall only be welded by arc welding (welding process 111 acc. to DIN EN 24063).

If during the time of warranty others than the manufacturer or by the manufacturer authorized persons are interfering in the product and/or the setting, the right of claim for warranty will lapse!

## Standard-flange dimensions acc. to DIN EN 1092-2/ -1

DN			15	20	25	32	40	50
NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PN16	ØD	(mm)	95	105	115	140	150	165
	ØK	(mm)	65	75	85	100	110	125
	n x Ød	(mm)	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18
PN25	ØD	(mm)	95	105	115	140	150	165
	ØK	(mm)	65	75	85	100	110	125
	n x Ød	(mm)	4x14	4x14	4x14	4x18	4x18	4x18
PN40	ØD	(mm)	95	105	115	140	150	165
	ØK	(mm)	65	75	85	100	110	125
	n x Ød	(mm)	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18