



Liquid drainer (Grey cast iron, Forged steel)

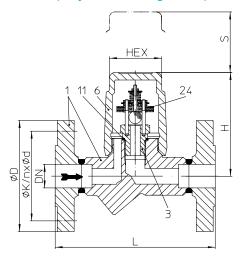


Fig. 665....1 with flanges

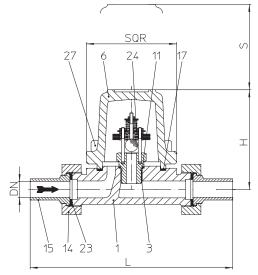




Fig. 665....2 with screwed sockets

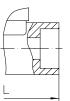


Fig. 665....3 with socket weld ends



Fig. 665....4 with butt weld ends

Fig. 665.... Union with butt weld ends (only PN16)

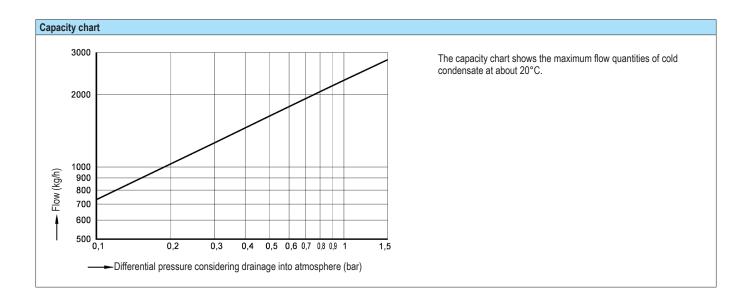
Figure	Nominal pressure	Material	Nominal diam. / NPS	Operating pressure PS	Inlet temperature TS	Allow. differential pressure		
40.005		FN-JI 1040	15 - 25 /	12,8 barg	200 °C			
12.665	PN16	EN-JL1040	1/2" - 1"	9,6 barg	300 °C	1,5 bar		
			45 05 /	32 barg	250 °C	(Closing pressure,		
45.665	PN40	1.0460	15 - 25 / 1/2" - 1"	22 barg	385 °C	Factory setting)		
			1/2 - 1	14,5 barg	450 °C			
1.4541 on request.								
For ANSI versions re	efer to data she	et CONA [®] Compon	ents-ANSI					
Types of connection	on				Otl	ner types of connection on request.		
• Flanges1		acc. to DIN 263	3 or DIN EN 1092-2 (PN16) / DIN 2635 or DIN EN 109	2-1 (PN40)			
Screwed sockets	2	Rp thread acc.	to DIN EN 10226-1 or	NPT thread acc. to ANSI B1.20.7	1			
· Socket weld ends	3	acc. to DIN EN	12760					
Butt weld ends	.4			2 identification No. 1.3 and 1.5 re / inlet temperature depending to	o design!)			
• Union with butt we	eld ends5	acc. to data she	eet resp. customer rec	luest				
Features								
Automatic conden	sate-discharge	during start-up and	shut down					
On unpressurized	system the liqu	id drainer will be o	pened by a compression	on spring inside of the controller				
On factory setting	the liquid draine	er will be closed at	a differential pressure	of ≥1,5 bar. Other factory setting	s between 0.5 bar and 2 bar p	ossible.		
Bimetallic element								
		01		inquiro)				
			on is required please					
Selection criteria				Example for order data				
Closing pressure	Closing pressure Material			For the condensate discharge from a steam pipe, $\Delta P=3$ bar, max. flow 700 kg/h,				
Nominal diameter /	pressure	Place of service	ce	flange connection, PN16, DN25		(. f		
Type of connection				=> Liquid drainer, Fig. 665, PN16, DN25, EN-JL1040, Face-to-face dimension 160 mm, with flanges				

			PN16			PN40							
Types of connect	ion	Flanges	es Union with butt weld ends			Flanges		Screwed sockets Socket weld ends			Butt weld ends		
DN		25	15	20	15	20	25	15	20	25	15	20	25
NPS		1	1/2	3/4	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
Face-to-face acc. to data sheet resp. customer request													
L	(mm)	160	190	190	150	150	160	95	95	95	250	250	250
Dimensions										Standard-	flange dime	nsions refer	to page 14.
Н	(mm)	100	100	100	98	98	98	98	98	103	98	98	98
S	(mm)	70	70	70	70	70	70	70	70	70	70	70	70
HEX	(mm)	50	50	50	50	50	50	50	50	50	50	50	50
SQR	(mm)	85	85	85	85	85	85	85	85	85	85	85	85
Weights	Weights												
Fig. 665 (approx.)	(kg)	4,5	2,6	2,3	5,4	2,6	2,3	2,2	2,3	2,4	2,9	2,8	2,6

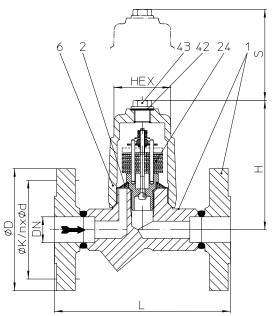
Parts								
Pos.	Sp.p.	Description	Fig. 12.665	Fig. 45.665				
1		Body	EN-GJL-250, EN-JL1040	P250GH, 1.0460				
6		Cover	EN-GJL-250, EN-JL1040					
6		Сар		P250GH, 1.0460				
11	х	Sealing ring	CU	A4				
14		Union nut	11SMn30+C, 1.0715+C					
15		Welding end	C15, 1.0401					
17	х	Gasket	Pure graphite (CrNi laminated with graphite)					
23	х	Sealing ring	Novapress MULTI					
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)					
27	Cheese head screw A2-70							
	L Spar	e parts						

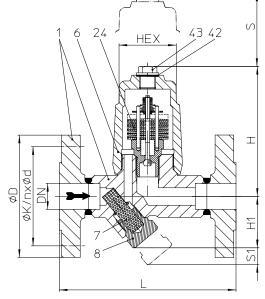
Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.



Condensate discharge temperature limiter (Forged steel)





ΠT

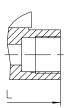


Fig. 645/647....2 with screwed sockets

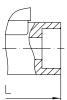


Fig. 645/647....3 with socket weld ends



Fig. 645/647....4 with butt weld ends

Fig. 645....1 with flanges

Fig. 647 with flanges

Figure	Nominal pressure	Material	Nominal diam. / NPS	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
				32 barg	250 °C		
45.645	PN40	1.0460	15 - 25 / 1/2" - 1"	22 barg	385 °C	32 bar	R32
45.647 (Y)			1/2 - 1	14,5 barg	450 °C	_	
For ANSI versions re	fer to data shee	t CONA®Compon	ents-ANSI			1	
Types of connectio	n					Other types of	connection on reques
 Flanges1 		acc. to DIN 263	5 or DIN EN 1092-1 ((PN40)			
Screwed sockets .	2	Rp thread acc.	to DIN EN 10226-1 oi	r NPT thread acc. to ANS	I B1.20.1		
Socket weld ends	3	acc. to DIN EN	12760				
Butt weld ends4Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 (Note restriction on operating pressure / inlet temperature depending to design!)							
Features							
 Steam trap for the 	discharge of cor	ndensate without r	e-evaporation at adju	stable condensate tempe	ratures (temperature rai	nge from 60°C up to 140°	C).
• With corrosion- and	d waterhammer	resistant bimetalli	c controller				
Automatic air-venti	ing during start-u	up and operation o	of the installation				
 Installation in any particular 	position, except	cap upside down					
 Integrated non return 	Irn protection						
 With inside straine 	r - Fig. 645 / with	n outside strainer	· Fig. 647 (Y)				
 Subcooling of cond 	densate is contir	uously adjustable	(observe the operation	on instructions)			
 The exchange of the exchange of t	ne controller is p	ossible without dis	sturbing the pipe conn	nections			
 For the utilization in 	n warm water ar	nd hot water plants	6				
Options		·					Design refer to page
 with blow down value 	lve, cpl. (Pos. 46	<u>;</u>)					
• with thermometer i	nsert (Pos. 47 a	nd 48) (only with i	nside strainer)				
Selection criteria				Example for order dat	a		
Inlet pressure		 Type of conr 	nection	For the condensate disc	charge from a steam pin	e Operating pressure P1	= 4 bar(g) max Flow
 Back pressure 		 Material 		For the condensate discharge from a steam pipe, Operating pressure P1 = 4 bar(g), m 50 kg/h, Opening temperature 80°C, with flanges, PN40, DN25		i bai (g), max. i low	
Quantity of conder	isate	Options				er, Fig. 647, PN40, DN25,	1.0460,
Nominal diameter	ninal diameter / pressure						

Nominal diameter / pressure

CONA[®] 645 / 647

PN40 - DN15-25

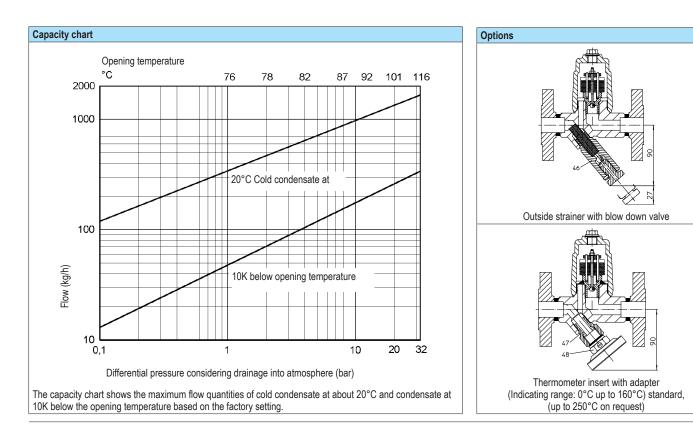
Dimensions					Ту	pes of connect	ion			
and weights			Flanges			Screwed socket Socket weld end			Butt weld ends	5
DN		15	20	25	15	20	25	15	20	25
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
Face-to-face acc. to data sheet resp. customer request										
L	(mm)	150	150	160	95	95	95	250	250	250
Dimensions	Dimensions Standard-flange dimensions refer to page 14									
Н	(mm)	112	112	112	112	112	121	112	112	112
H1	(mm)	65	65	65	65	65	58	65	65	65
S	(mm)	80	80	80	80	80	80	80	80	80
S1	(mm)	30	30	30	30	30	30	30	30	30
HEX	(mm)	50	50	50	50	50	50	50	50	50
Weights	Weights									
Fig. 645/647 (approx.)	(kg)	3,6	4,3	5,6	2	2,4	2,4	2,2	2	2

Parts								
Pos.	Sp.p.	Description	Fig. 45.645	Fig. 45.647				
1		Body	P250 GH, 1.0460	·				
2	х	Strainer	X5CrNi18-10, 1.4301					
6		Сар	P250 GH, 1.0460					
7	х	Strainer		X5CrNi18-10, 1.4301				
8	х	Strainer plug		X6CrNiTi18-10, 1.4541				
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)					
42	х	Sealing ring	A4					
43	х	Screw plug	C35E, 1.1181					
46		Blow down valve, cpl.	X6CrNiTi18-10, 1.4541					
47	х	Thermometer adapter	X6CrNiTi18-10, 1.4541					
48	х	Thermometer	X8CrNiS18-9, 1.4305					
	L Spare parts							

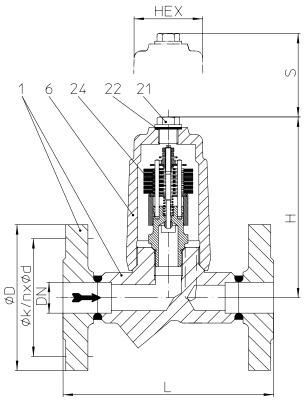
Information / restriction of technical rules need to be observed!

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.



Return temperature limiter (Forged steel)



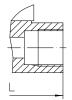


Fig. 650....2 with screwed sockets

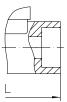


Fig. 650....3 with socket weld ends



Fig. 650....4 with butt weld ends

Fig. 650....1 with flanges

Figure	Nominal pressure	Material	Nominal diam. / NPS	Operating pressure PS	Inlet temperature TS	Allow. differential pressure ∆PMX	for controller				
45.650	PN40	1.0460	15 - 25 / 1/2" - 1"	22 barg	180 °C	6 bar	R22				
For ANSI versions	or ANSI versions refer to data sheet CONA®Components-ANSI										
Types of connect	ion					Other types o	f connection on request				
• Flanges1		_acc. to DIN 26	35 or DIN EN 1092-1 (PN40)							
Screwed sockets2Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1											
Socket weld end	ls3	_acc. to DIN EN	I 12760								
Butt weld ends .	4			02 identification No. 1.3 a re / inlet temperature dep							
Features		·									
Energy saving b • With corrosion- • The controller ha	y using reduced flo and waterhammer r as a stroke-limitatio	w return tempera resistant bimetall n at 130 °C thus	atures. ic controller even in case of an inc	sumption oriented supply		ystems.					
1 0	closing temperature										
0	•		isturbing the pipe conn	iections							
	n for quick installati										
	nplified due to screv		0								
	zontal installation p	osition is preferre	ed, inclined installation	position of the screwed	cap is possible						
Options							(Design refer to page 7				
	er insert (Pos. 47 ar	,									
		s. 44) and exten	ded setting range, with	n factory setting at 180°C							
Selection criteria				Example for order dat	а						
 Closing pressure 	9	•	osing temperature				<i>.</i>				
 Operating press 	ure	 Nominal dia 	imeter / pressure			system. Inlet pressure 4 b N15, 1.0460, face-to-face					
 Back pressure/E 	ifferential pressure	 Type of con 	nection		erature limiter, Fig. 650,						
 Flow quantity 		 Material 			ion 150 mm, T=90°C, fl						

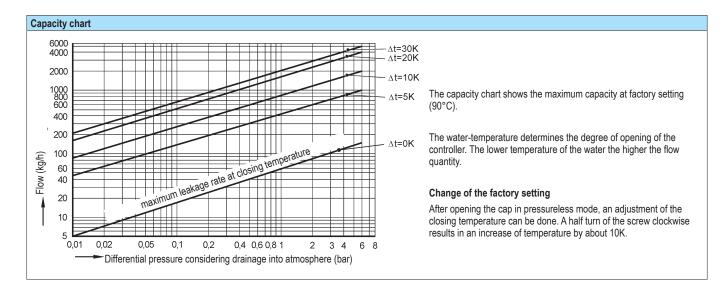
Upstream temperature

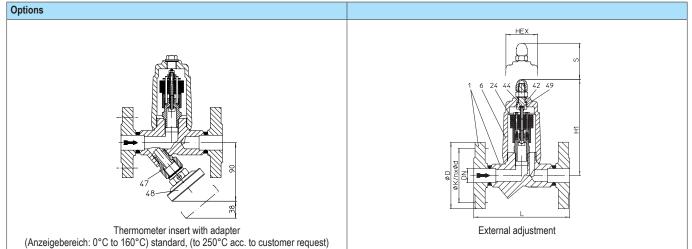
Types of cor	nnection	Flanges			Screwed sockets Socket weld ends			Butt weld ends		
DN		15	20	25	15	20	25	15	20	25
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
Face-to-face acc. to data sheet resp. customer request										
L	(mm)	150	150	160	95	95	95	250	250	250
Dimensions Standard-flange dimensions refer to page 14 / Larger nominal diameters refer to page							refer to page 8			
Н	(mm)	130	130	130	130	130	135	130	130	130
H1	(mm)	152	152	152	152	152	152	152	152	152
S	(mm)	90	90	90	90	90	90	90	90	90
HEX	(mm)	50	50	50	50	50	50	50	50	50
Weights										
Fig. 650 (a	pprox.) (kg)	3,4	4	4,4	2,1	2	2,5	2,6	2,7	2,8

Parts			
Pos.	Sp.p.	Description	Fig. 45.650
1		Body	P250 GH, 1.0460
6		Сар	P250 GH, 1.0460
21		Screw plug	C35E, 1.1181
22	х	Sealing ring	A4
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)
44		Cylinder screw HSE (Manual adjustment device)	X8CrNiS18-9, 1.4305
47	х	Thermometer adapter	X6CrNiTi18-10, 1.4541
48	х	Thermometer	X6CrMoTi17-12-2, 1.4571
	L Spar	e parts	·

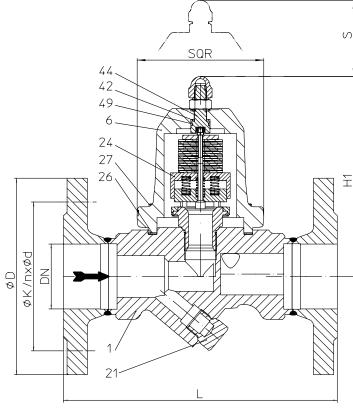
Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

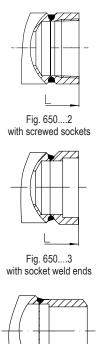
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Return temperature limiter (Forged steel)





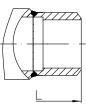


Fig. 650....4 with butt weld ends

Fig. 650....1 with flanges

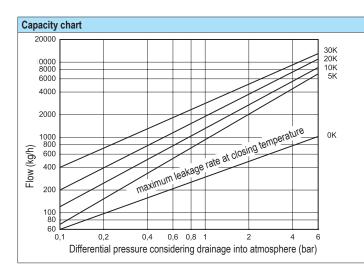
Figure	Nominal pressure	Material	Nominal diameter / NPS	Operating pressure PS	Inlet temperature TS	Allow. differential pressure	
45.650	PN40	1.0460	40 - 50 / 1 1/2" - 2"	22 barg	180 °C	6 bar	
For ANSI version	s refer to data shee	et CONA [®] Compor	nents-ANSI	1			
Types of connect	tion				Oth	er types of connection on request.	
 Flanges1 		acc. to DIN 26	34 or DIN EN 1092-1 ((PN25) / DIN 2635 or DIN EN 109	2-1 (PN40)		
 Screwed socke 	ts2	Rp thread acc	to DIN EN 10226-1 o	r NPT thread acc. to ANSI B1.20.	l		
 Socket weld en 	ds3	acc. to DIN EN	12760				
Butt weld ends	4			02 identification No. 1.3 and 1.5 re / inlet temperature depending t	o design!)		
Features							
Energy saving I • With corrosion- • Scope range of	by using reduced fl and waterhammer closing temperature	ow return tempera resistant bimetall re from up to 180	atures. lic controller °C	sumption oriented supply of hot wa			
	djustment device (p	pos. 44) and exter	nded setting range				
 With factory set 	0						
0			isturbing the pipe conr	nections			
	gn for quick installa	ition					
Options						(Design refer to page 9)	
with thermomet	er insert (Pos. 47 a	and 48)					
Selection criteria	a			Example for order data			
 Closing pressure 	re	 Required cl 	osing temperature	Return temperature limitation fo	r a nine tracing system. Inlet n	ressure 4bar(ii) closing	
 Operating press 	sure	 Nominal dia 	ameter / pressure	temperature 90°C, flange conne	ction, PN40, DN15, 1.0460,	is a second man (a), showing	
 Back pressure/ 	Differential pressur	• Type of cor	inection	Face-to-face dimension 230mm	-		
Flow quantity Material Material Addenoise and the second secon							
 Upstream temp 	erature				ann, i sv o, nange connect		

Types of connection		Flanges			sockets ¹⁾ veld ends	Butt weld ends			
DN		40	50	50 40		40	50		
NPS		1 1/2	2	1 1/2	2	1 1/2	2		
Face-to-face acc. to data sheet resp. customer request									
L	(mm)	230	230	130 / 160 ¹⁾	210	250	250		
Dimensions				Standard-flange di	imensions refer to page	14 / Smaller nominal dia	meters refer to page 6.		
H1	(mm)	168	168	168	168	168	168		
S	(mm)	100	100	100	100	100	100		
SQR	(mm)	110	110	110	110	110	110		
Weights									
Fig. 650 (appro	ox.) (kg)	11,3	12,1	8	8	8,9	9,8		

Parts			
Pos.	Sp.p.	Description	Fig. 45.650
1		Body	P250 GH, 1.0460
6		Cover	P250 GH, 1.0460
21		Screw plug	X6CrNiTi18-10, 1.4541
22		Sealing ring	A4
24	х	Controller, cpl.	TB 102 / 85 (corrosion resistant bimetal)
26	Х	Gasket	Graphite
27		Cheese head screw	21CrMoV 5-7, 1.7709
42	Х	Sealing ring	Cu
44		Cylinder screw HSE (Manual adjustment device)	X8CrNiS18-9, 1.4305
47	х	Thermometer adapter	X6CrNiTi18-10, 1.4541
48	х	Thermometer	X6CrMoTi17-12-2, 1.4571
49	х	O-ring	FPM 80
	L Spar	e parts	

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

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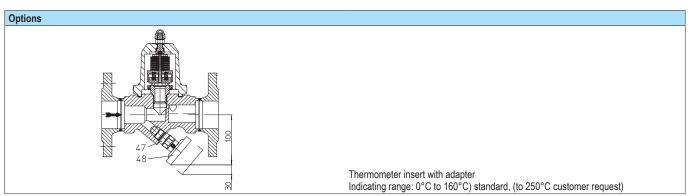


The capacity chart shows the maximum capacity at factory setting (90 $^\circ\text{C}$).

The water-temperature determines the degree of opening of the controller. The lower temperature of the water the higher the flow quantity.

Change of the factory setting

A half turn of the screw clockwise results in an increase of temperature by about 8K.



Automatic air vent for liquid systems (SG iron, Cast steel, Stainless steel)

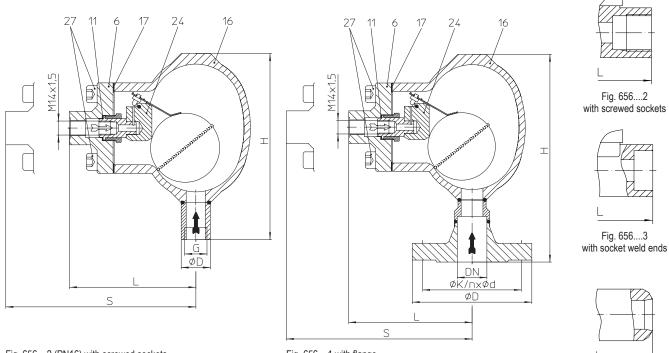


Fig. 656....2 (PN16) with screwed sockets

Fig. 656....1 with flange





Figure	Nominal pressure	pressure		Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller					
22.656	PN16	EN-JS1049	15 - 25 / 1/2" - 1"	14 barg	300 °C	14 bar	R14					
34.656	PN25	1.0619+N	15 - 25 / 1/2" - 1"	21 barg	225 °C	21 bar	R21					
35.656	PN40	1.0619+N	15 - 25 / 1/2" - 1"	21 barg	400 °C	21 bar	R21					
54.656	PN25	1.4308	15 - 25 / 1/2" - 1"	21 barg	21 barg 300 °C 21 bar							
55.656	PN40	1.4308	15 - 25 / 1/2" - 1"	21 barg	300 °C	21 bar	R21					
For ANSI versions	s refer to data sheet	CONA®Compone	ents-ANSI			· · ·						
Types of connec	tion					Other types of	connection on request.					
Inlet:	Flanges1		acc. to DIN 26	33 or DIN EN 1092-2 (PN	16) / DIN 2635 or DIN	EN 1092-1 (PN25/40)						
	 Screwed soc 	Screwed sockets2 Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1										
	Socket weld	ends3	acc. to DIN EN	N 12760								
	Butt weld end	ls4		ion acc. to EN ISO 9692 on on operating pressure								
Outlet:	• M14 x 1,5 DI	N 13	(100010001000									
Features												
Automatic air ve	ents for liquid system	าร										
· Hood with flang	jed cover											
The exchange of	of the controller is po	ssible without dis	sturbing the pipe conr	nections								
Installation: abc	ove the point being v	ented, inlet alway	s at the bottom									
Options	_					(D	esign refer to page 11)					
• Drip pipe (Pos.	54) with Union M14	<1,5 for Pipe-ø 8	mm (Pos. 53)									
	a			Example for order data								
Selection criteria	μ			Automatic air vents for liquid systems, PS = 21 barg, TS = 400°C, flange connection, PN25,								
Selection criteria • Operating press		 Nominal diar 	neter / pressure	Automatic air vents for I	iquid systems. PS = 21	barg, TS = 400°C, flange	connection, PN25					
Operating press				Automatic air vents for I DN25, Hood Cast steel		barg, TS = 400°C, flange	connection, PN25,					

CONA[®] 656 PN16 / PN25 / PN40 - DN15-25

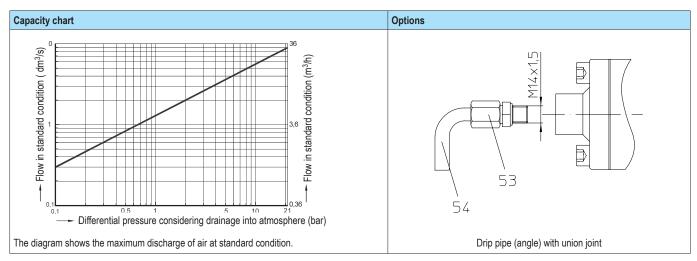
Types of connection			Flanges			-	crewed socke Id ends (not in	e ts ¹⁾ n EN-JS1049)	Butt weld ends (not in EN-JS1049)				
DN		15	20	25	15	20	25	15	20	25			
NPS		1/2	3/4	1	1/2	3/4	1	1/2	3/4	1			
				1						1) Screwed	sockets: L = 140		
Face-t	o-face ac	cc. to data she	et resp. custon	ner request									
L		(mm)	119	119	119	119	119	119	119	119	119		
Dimensions Standard-flange dimensions refer to page													
	isions									1	1		
Н		(mm)	196	197	200	140 ¹⁾ / 175	175	186	175	175	186		
S		(mm)	238	238	238	238	238	238	238	238	238		
Weigh	Its												
Fig. 65		rox.) (kg)	4,8	5,3	5,6 4,3		4,4 4,4		4,3	4,4	4,4		
Parts			•		· · ·								
Pos.	Sp.p.	Description			Fig. 22.656	Fig. 22.656 Fig. 34.656 Fig. 35.656			Fig. 54.65	Fig. 54.656 Fig. 55.65			
6	Sh'h'	Cover			P250GH, 1.040	-	000		8-10, 1.4541	. 33.030			
11	x				A4	00		A4					
16	^	Sealing ring Hood			EN-JS1049, EN-GJS-400- 18U-LT GP240GH+N, 1.0					GX5CrNi19-10, 1.4308			
17	x	Gasket			Pure graphite CrNi laminated with graphite								
24	х	Controller, cp	Ι.		X5CrNi18-10,	1.4301							
27		Cheese head	screw		A2-70			A2-70					
53	х	Union for drip	pipe		X6CrNiMoTi17	-12-2, 1.4571			·				
54	x	Drip pipe			X6CrNiMoTi17	-12-2, 1.4571							
	L Spar	e narts											

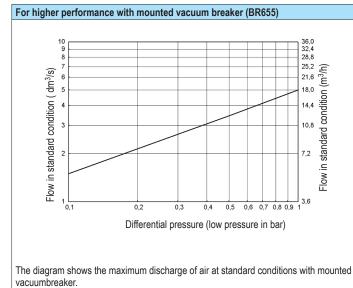
L Spare parts

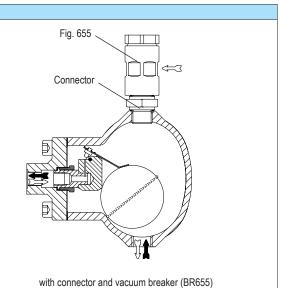
Information / restriction of technical rules need to be observed!

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

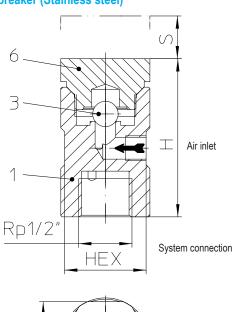
Operating and installation instructions can be downloaded at www.ari-armaturen.com.







Vacuum breaker (Stainless steel)



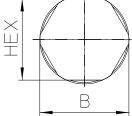


Fig. 655....2 with screwed sockets

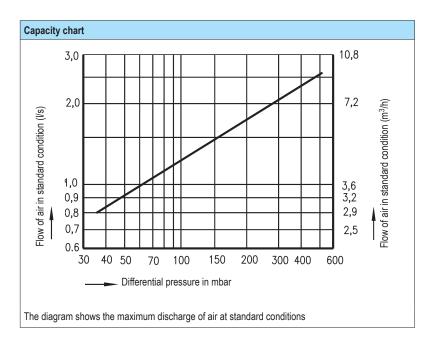
Figure	ure Nominal pressure Material		NPS	Operating pressure PS	Inlet temperature TS	Set pressure	Kvs-value			
52.655	2.655 PN16 1.4301 R		Rp 1/2	13 barg	400 °C	7 mbar	0,55 m3/h			
55.655 PN40		4 4204	D= 1/2	13 barg	400 °C	7	0.55 2/h			
		1.4301	Rp 1/2	21 barg	220 °C	7 mbar	0,55 m3/h			
For ANSI versio	ns refer to data s	heet CONA®Compo	nents-ANSI							
Types of connection Other types of connection on request.										
System conne	ection2	Rp 1/2 (DIN I	EN10226-1) / NPT 1/	2 (ANSI B1.20.1)						
Air inlet		Rp 1/8 (DIN I	EN10226-1) / NPT 1/	8 (ANSI B1.20.1) The line has to be led to an outlet.						
Features										
 Ventilation val 	ve for pipelines, o	condensing vapour	(steam) or liquid syst	ems, where the system p	ressure should not fall bel	ow the atmospheric press	ure.			
Vertical position	on, cap on top.									
System conne	ection downwards									
Selection criter	ria			Example for order data						
Operating pres	ssure	 Nominal dian 	eter / pressure							
Operating tem	nperature	 Type of conn 	ection	Vacuum breaker, System connection Rp, PN 40, NPS 1/2",						
Flow quantity Material Atterial Supersonal and the second seco										

Types	of conne	ction		System connection (Rp / NPT)					
NPS				1/2					
Dimensions									
Н			(mm)	62					
В			(mm)	35					
S (mm)			(mm)	10					
HEX (mm)			(mm)	32					
Weight	s								
Fig. 655 (approx.) (kg)		(kg)	0,38						
Parts									
Pos. Sp.p. Description				Fig. 52.655 / 55.655					
1	Ŧ	Body		X5CrNi18-10, 1.4301					

	L Spare	e parts	
6	(cl	Сар	X17CrNi16-2, 1.4057
3	x pl. un	Valve ball	X5CrNiMo17-12-2, 1.4401
1	it)	Body	ADCINITO-10, 1.4301

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.



CONA® Components / Accessories

Informations about pipe welding / Standard-flange dimensions

informations about pipe weiging		
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
Note:	1.0401	C15 acc. to DIN 17210
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 2533 / DIN 2634 / DIN 2635 or DIN EN 1092-2/ -1															
DN			15	20	25	32	40	50	65	80	100	125	150	200	250
NPS		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	4 1/2	6	8	10	
	ØD	(mm)	95	105	115	140	150	165	185	200	220	250	285	340	405
PN16	ØK	(mm)	65	75	85	100	110	125	145	160	180	210	240	295	355
	n x Ød	(mm)	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 18	8 x 22	12 x 22	12 x 26
	ØD	(mm)	95	105	115	140	150	165	185	200	235	270	300	360	425
PN25	ØK	(mm)	65	75	85	100	110	125	145	160	190	220	250	310	370
	n x Ød	(mm)	4x14	4x14	4x14	4x18	4x18	4x18	8x18	8x18	8x22	8x26	8x26	12x26	12x30
	ØD	(mm)	95	105	115	140	150	165	185	200	235	270	300	375	450
PN40	ØK	(mm)	65	75	85	100	110	125	145	160	190	220	250	320	385
	n x Ød	(mm)	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 22	8 x 18	8 x 22	12 x 30	12 x 33







Technology for the Future. GERMAN QUALITY VALVES

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