Air reservoir CRVZS

Characteristics

At a glance

- To compensate for pressure fluctuations and as accumulators in the event of sudden air consumption.
- Providing large volumes of compressed air for supplying fast-pulsing drives.
- Delay times for pressure build-up can be achieved in combination with throttle valves.

Volume [l]

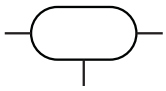
[0.1] 0.1

[0.4] 0.4

[0.75] 0.75

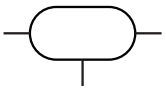
[2] 2

[5] 5



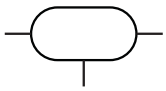
With condensate drain

[10] 10



With condensate drain

[20] 20



With condensate drain

Type code

001	Series	
CRVZS	Air reservoir	

002	Volume [l]	
0.1	0.1	
0.4	0.4	
0.75	0.75	
2	2	
5	5	
10	10	
20	20	

Datasheet

General technical data							
Pneumatic connection	G1/8	G1/4		G1/2	G1		
Volume [1]	0.1 l	0.4 l	0.75 l	2 l	10 l	20 l	5 l
Type of mounting	Via fixing clips			With through-hole			
Condensate drain connection	–				G3/8		
Max. tightening torque for connecting thread	15 Nm	23 Nm		55 Nm	130 Nm		
Max. tightening torque for condensate drain	–				27 Nm		
Mounting position	optional				Condensate drain underneath		

1) Tolerance: ±20% (G1/8, G1/4, G1/2), ±10% (G1)

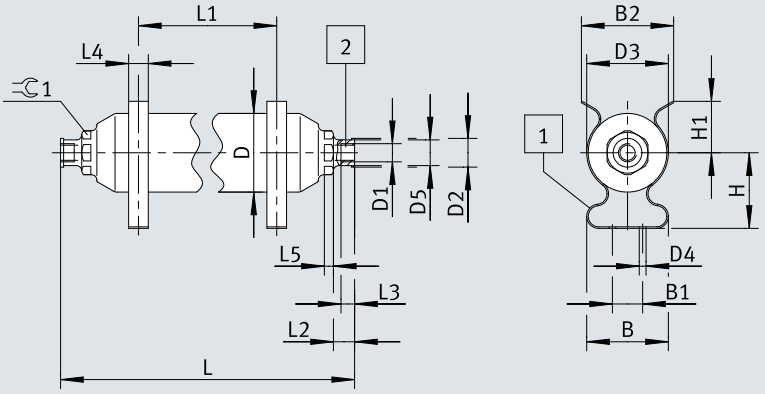
Operating and environmental conditions				
Pneumatic connection	G1/8	G1/4	G1/2	G1
Operating pressure	-0.095 ... 1.6 MPa			
Operating pressure	-0.95 ... 16 bar			
Operating pressure	-13.78 ... 232 psi			
Operating medium	Compressed air to ISO 8573-1:2010 [-:-:-] Nitrogen			
Ambient temperature	-10 ... 100°C			
Media temperature	-10 ... 100°C			
Corrosion resistance class CRC [1]	3 - high corrosion stress			
Conforms to standard	AD 2000			
CE mark (see declaration of conformity) [2]	–			In accordance with EU Pressure Equipment Directive
UKCA marking (see declaration of conformity)[3]	–			to UK Pressure Equipment Regulations
Suitable for use with food [4]	See supplementary material information			
Approval	German Technical Control Board (TÜV)			
Certificate issuing authority	TSSACRN0H17477.5C			–

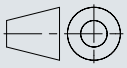
1) More information www.festo.com/x/topic/crc
2) More information www.festo.com/catalogue/crvzs → Support/Downloads.
3) More information www.festo.com/catalogue/crvzs → Support/Downloads.
4) More information www.festo.com/catalogue/crvzs → Support/Downloads.

Materials				
Pneumatic connection	G1/8	G1/4	G1/2	G1
Material air reservoir	High-alloy stainless steel			
Material fixing clips	High-alloy stainless steel		–	
Note on materials	RoHS-compliant			
LABS (PWIS) conformity	VDMA24364-B1/B2-L			

Dimensions

Dimensions – CRVZS Download CAD data www.festo.com





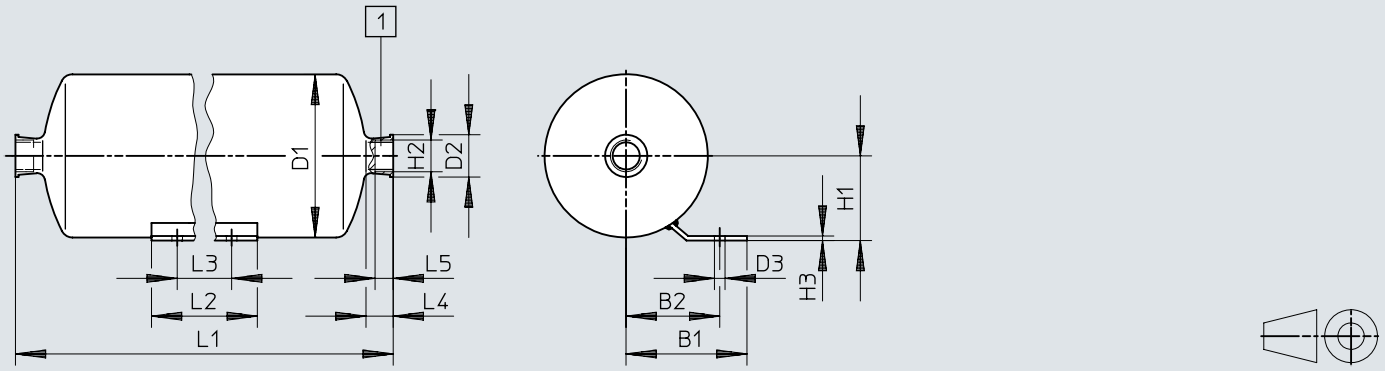
[1] Fixing clips
[2] Max. tightening torque for connecting thread 15/23 Nm

	B ±2	B1	B2 ±2	D ø	D1	D2 ø	D3 ø	D4 ø	D5 ø ±0,2	H ±1
CRVZS-0,1	51	14	–	40	G1/8	15	42	4,5	12,2	43
CRVZS-0,4	54	14	–	52	G1/4	19	54		16	50
CRVZS-0,75	60	20	79	70	G1/4	19	72		15,7	61

	H1 ±1	L ±1	L1		L2	L3	L4	L5	⫧
			min.	max.					
CRVZS-0,1	28	132	13	50	10	6	13	6	19
CRVZS-0,4	34	240	13	150	14	9			27
CRVZS-0,75	34	248	13	140	14	9			27

Dimensions

Dimensions – CRVZS-2 Download CAD data www.festo.com

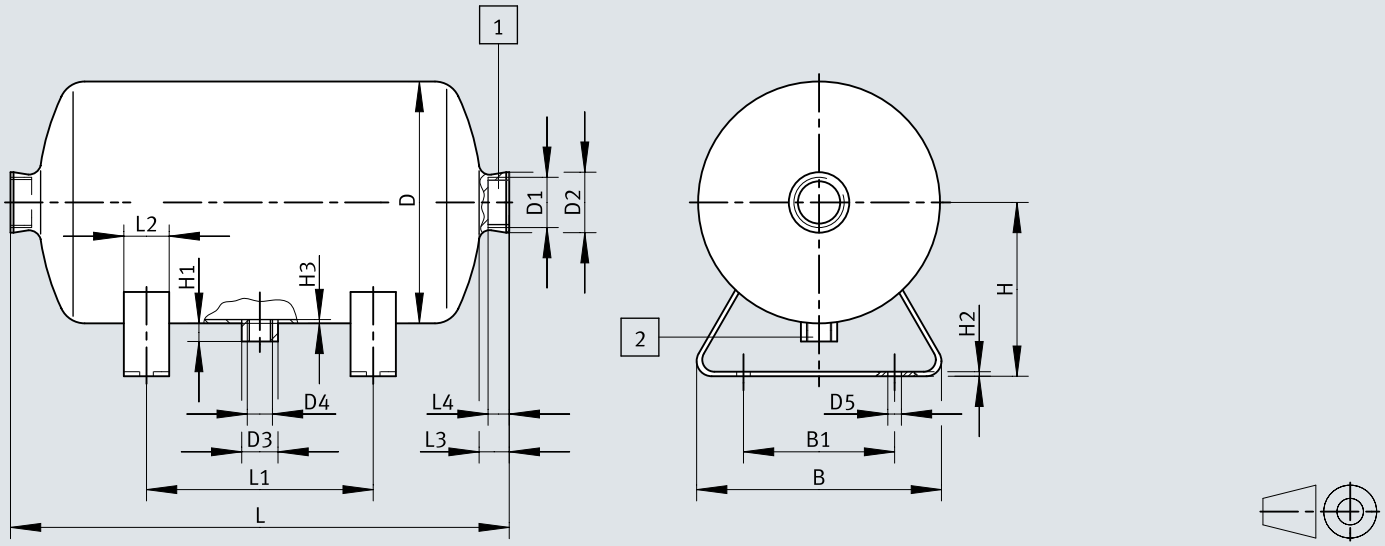


[1] Max. tightening torque for connecting thread 55 Nm

	B1 ±3	B2 ±2	D1 ø	D2 ø	D3 ø	H1 ±2	H2	H3	L1 ±3	L2 ±2	L3	L4	L5
CRVZS-2	80	62	108	28	7	56	G1/2	3	300	120	86	18	12

Dimensions

Dimensions – CRVZS-5 Download CAD data www.festo.com



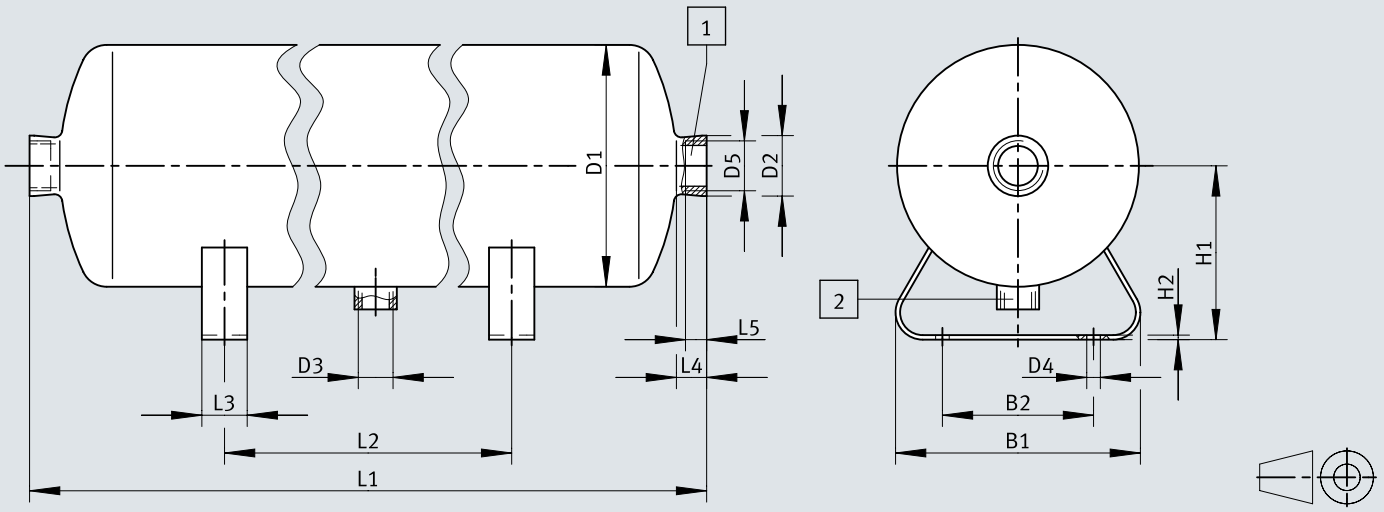
[1] Max. tightening torque for connecting thread 130 Nm
[2] Max. tightening torque for condensate drain 27 Nm

	B ±2	B1 ±1	D ø ±2	D1	D2 ø	D3 ø	D4	D5 ø ±0,5	H ±1,5
CRVZS-5	162	100	160	G1	40	24	G3/8	9	115

	H1	H2 ±0,2	H3	L ±3	L1 ±1,5	L2 ±0,4	L3	L4 +1/0
CRVZS-5	12	3	2,5	330	150	30	20	14

Dimensions

Dimensions – CRVZS-10/-20 Download CAD data www.festo.com



[1] Max. tightening torque for connecting thread 130 Nm
[2] Max. tightening torque for condensate drain 27 Nm

	B1 ±2	B2 ±1	D1 ø ±2	D2 ø	D3	D4 ø	D5	H1 ±1,5	H2 ±0,2	L1 +3	L2 ±1,5	L3 ±0,4	L4	L5 +1/0
CRVZS-10	162	100	160	40	G3/8	9	G1	115	3	558	300	30	20	14
CRVZS-20			194					136		740				

Ordering data

Ordering data

	Volume [1]	Product weight	Part no.	Type
	0.1 l	226 g	**160233**	**CRVZS-0.1**
	0.4 l	543 g	**160234**	**CRVZS-0.4**
	0.75 l	736 g	**160235**	**CRVZS-0.75**
	10 l	6,459 g	**160237**	**CRVZS-10**
	2 l	1,681 g	**160236**	**CRVZS-2**
	20 l	10,208 g	**534845**	**CRVZS-20**
	5 l	3,581 g	**192159**	**CRVZS-5**

1) Tolerance: ±20% (G1/8, G1/4, G1/2), ±10% (G1)