

Air reservoirs

FESTO



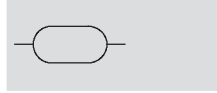
Air reservoirs CRVZS

FESTO

Technical data

Function

CRVZS-0.1/0.4/0.75/2



CRVZS-5/10/20

with condensate drain



Temperature range

–10 ... +100 °C

Pressure

–0.95 ... 16 bar



- The reservoirs can be used to compensate pressure fluctuations, and act as accumulators in the event of sudden air consumption
- They can also be used to provide large quantities of compressed air for supplying fast pulsing drives
- Time delays for pressure build-up can be achieved in combination with flow control valves

Technical data							
Type	CRVZS-0.1	CRVZS-0.4	CRVZS-0.75	CRVZS-2	CRVZS-5	CRVZS-10	CRVZS-20
Pneumatic connection	G $\frac{1}{8}$	G $\frac{1}{4}$		G $\frac{1}{2}$	G1		
Condensate drain connection	–				G $\frac{3}{8}$		
Type of mounting	Retaining clips			Via through-holes			
Installation position	Any				Condensate drain downwards		
Volume [l]	0.1	0.4	0.75	2	5	10	20
Weight [g]	226	543	736	1,681	3,581	6,459	10,208

Note: This product conforms to ISO 1179-1 and ISO 228-1

Operating and environmental conditions							
Type	CRVZS-0.1	CRVZS-0.4	CRVZS-0.75	CRVZS-2	CRVZS-5	CRVZS-10	CRVZS-20
Operating pressure [bar]	−0.95 ... +16						
Operating medium	Compressed air						
	Nitrogen						
Ambient temperature [°C]	−10 ... +100 (observe operating range of tubing and pipe)						
Temperature of medium [°C]	−10 ... +100 (observe operating range of tubing and pipe)						
Corrosion resistance class CRC ¹⁾	3						
Conforms to	AD 2000						
CE symbol (see declaration of conformity)	–				In accordance with EU Pressure Equipment Directive		
Food industry approval	DIN EN ISO 14159						
Approval	German Technical Control Board (TÜV)						

1) Corrosion resistance class 3 according to Festo standard 940 070

Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

Materials							
Type	CRVZS-0.1	CRVZS-0.4	CRVZS-0.75	CRVZS-2	CRVZS-5	CRVZS-10	CRVZS-20
Air reservoir	High-alloy stainless steel						
Retaining clips	High-alloy stainless steel			–			
Note on materials	Free of copper and PTFE						
	Conforms to RoHS						

Air reservoirs CRVZS

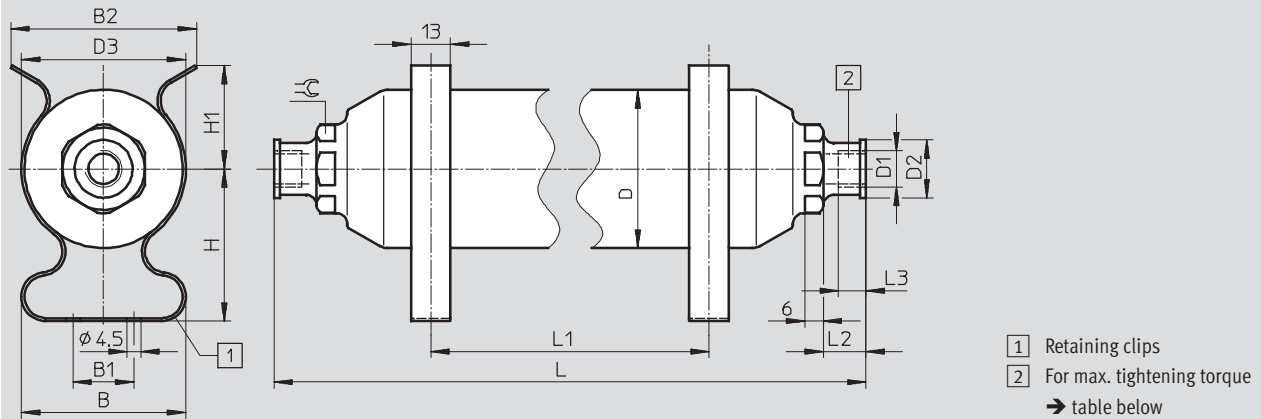
Technical data

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Dimensions

Download CAD Data → www.festo.com/us/cad

CRVZS-0.1/CRVZS-0.4/CRVZS-0.75



Type	B ±2	B1	B2 ±2	D Ø	D1	D2 Ø	D3 Ø	H ±1	H1 ±1
CRVZS-0.1	51	14	–	40	G1/8	15	42	43	28
CRVZS-0.4	54	14	–	52	G1/4	19	54	50	34
CRVZS-0.75	60	20	79	70	G1/4	19	72	61	34

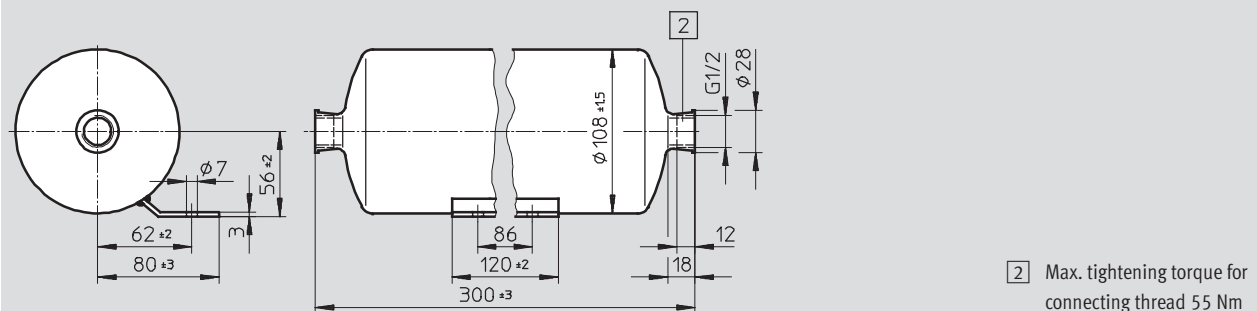
Type	L ±1	L1		L2	L3	≙	Max. tightening torque for connecting thread [Nm]
		min.	max.				
CRVZS-0.1	132	13	50	10	6	19	15
CRVZS-0.4	240	13	150	14	9	27	23
CRVZS-0.75	248	13	140	14	9	27	23

Note: This product conforms to ISO 1179-1 and ISO 228-1

Dimensions

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CRVZS-2



Note: This product conforms to ISO 1179-1 and ISO 228-1

Air reservoirs CRVZS

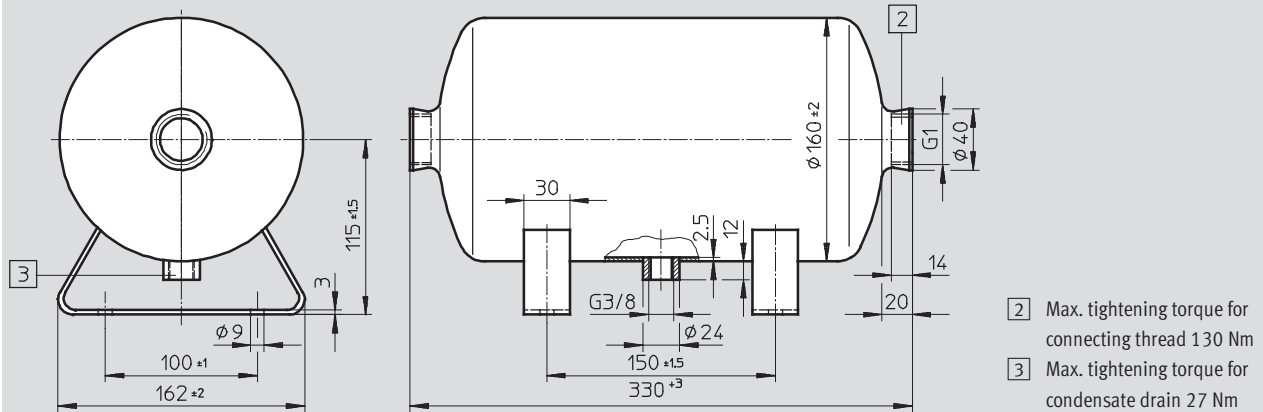
Technical data

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Dimensions

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CRVZS-5

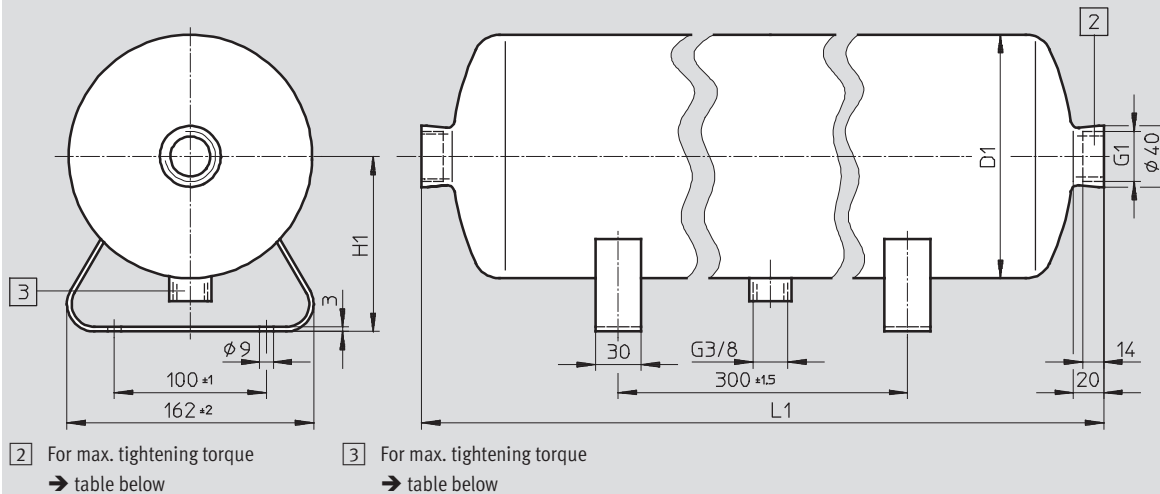


Note: This product conforms to ISO 1179-1 and ISO 228-1

Dimensions

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CRVZS-10/CRVZS-20



Type	D1 ±2	H1 ±1.5	L1 ±3	Max. tightening torque	
				Connecting thread [Nm]	Condensate drain [Nm]
CRVZS-10	160	115	558	130	27
CRVZS-20	194	136	740	130	27

Note: This product conforms to ISO 1179-1 and ISO 228-1

Ordering data

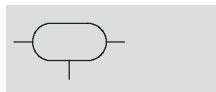
Volume [l]	Part No.	Type	Volume [l]	Part No.	Type
0.1	160233	CRVZS-0.1	5	192159	CRVZS-5
0.4	160234	CRVZS-0.4	10	160237	CRVZS-10
0.75	160235	CRVZS-0.75	20	534845	CRVZS-20
2	160236	CRVZS-2			

Air reservoirs VZS

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Technical data

Function
with condensate drain



Temperature range
-10 ... +100 °C

Pressure
-0.95 ... 16 bar



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Technical data	
Type	VZS-20-B
Pneumatic connection	G1
Condensate drain connection	G3/8
Type of mounting	Via through-holes
Installation position	Condensate drain downwards
Volume [l]	20
Weight [g]	8,600

Note: This product conforms to ISO 1179-1 and ISO 228-1

Operating and environmental conditions	
Type	VZS-20-B
Operating pressure [bar]	-0.95 ... +16
Operating medium	Compressed air Nitrogen
Ambient temperature [°C]	-10 ... +100 (observe operating range of tubing and pipe)
Temperature of medium [°C]	-10 ... +100 (observe operating range of tubing and pipe)
Corrosion resistance class CRC ¹⁾	4
Conforms to	EN 286-1
CE symbol (see declaration of conformity)	In accordance with EU Simple Pressure Vessel Directive
Approval	German Technical Control Board (TÜV)

1) Corrosion resistance class 4 according to Festo standard 940 070
Components requiring higher corrosion resistance. Parts used with aggressive media, e.g. food or chemical industry. These applications should be supported with special tests with the media if required

Materials	
Air reservoir	Painted steel
Note on materials	Free of copper and PTFE

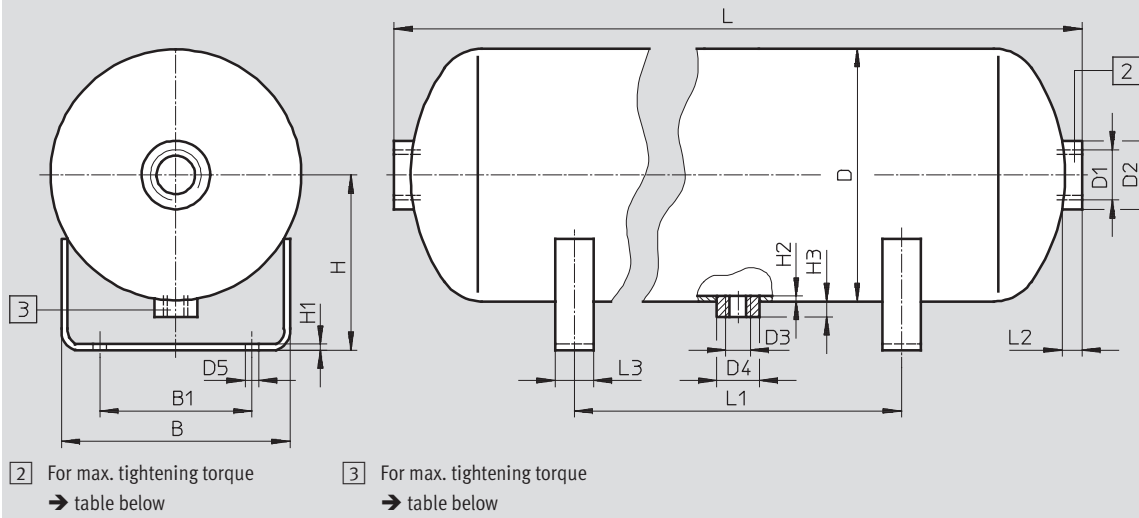
Air reservoirs VZS

Technical data

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Dimensions

Download CAD Data → www.festo.com/us/cad



Type	B ±2	B1 ±2	D ±4 Ø	D1	D2 Ø	D3	D4 Ø	D5 Ø	H ±1.5	H1
VZS-20-B	150	100	206	G1	45	G $\frac{3}{8}$	28	9	146.5	4

Type	H2 min.	H3	L	L1 ±1.5	L2	L3	Max. tightening torque Connecting thread [Nm]	Condensate drain [Nm]
VZS-20-B	2	12	696 ±6	300	18	25	130	27

Note: This product conforms to ISO 1179-1 and ISO 228-1

Ordering data

Volume [l]	Part No.	Type
20	192161	VZS-20-B

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Festo North America

Festo Regional Contact Center

5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)

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Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786)

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Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788, USA
www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N
Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330
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Chicago

1441 East Business Center Drive
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Detroit – Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326, USA

New York

395 Moreland Road
Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788

Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com

www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4

Phone: 1.905.624.9000; Fax: 1.905.624.9001;

Email: festo.canada@ca.festo.com

www.festo.ca

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquahuac,
54020 Tlalneapantla, Edo. de México

Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65;

Email: festo.mexico@mx.festo.com

www.festo.com/mx

Central USA

Festo Corporation
1441 East Business
Center Drive
Mt. Prospect, IL 60056, USA
Phone: 1.847.759.2600
Fax: 1.847.768.9480



Western USA

Festo Corporation
4935 Southfront Road,
Suite F
Livermore, CA 94550, USA
Phone: 1.925.371.1099
Fax: 1.925.245.1286



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