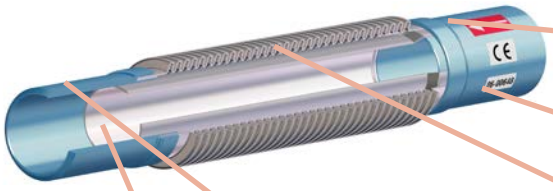
Design Attributes

Type 25 Metal Compensators are flexible unions used on rigid pipe work systems to absorb axial thermal movements. They consist of a corrugated Omega shaped bellow, with welded ends, and an internal sleeve, which protects the bellow from wear and turbulences. A correct pipe system arrangement and installation according to our Installation Operating and Maintenance Manual is essential to ensure a safe and efficient performance.

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Unidirectional design (observe arrow)

Labelling incl. batch no. for full traceability

Single walled bellows, corrugations with Omega geometry to increase efficiency of axial movements absorption

External paint on steel parts for protection during storage and transport

Inner sleeve to protect bellows

Main Features

Design: EJMA 9th Edition
Nominal Pressure: type 25 PN10
Valve end connections: Type 25 - Butt weld ends
Marking: EN 19
Pressure Tests: EN 12266-1
Steel parts painted in metal blue color for protection during storage and transport
Product compliant with Directive 2014/68/EU on Pressure Equipment (PED)

Main Duties / Limits of use

Liquids compatible with materials of construction, acc. to Directive 2014/68/EU, Annex II tables 8 (group 1*) & 9 (group 2*) up to category I
Stable gases compatible with materials of construction, acc. to Directive 2014/68/EU, Annex II tables 6 (group 1*) & 7 (group 2*) up to category I

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Table 6: PS 10 bar DN20-DN100 (Art.4-Parr.3 DN20-25)
Table 7: PS 10 bar DN20-DN300 (Art.4-Parr.3 DN20-100)
Table 8: PS 10 bar DN20-DN300 (Art.4-Parr.3 DN20-200)
Table 9: PS 10 bar DN20-DN300 (Art.4-Parr.3)
TS: -10/300ºC

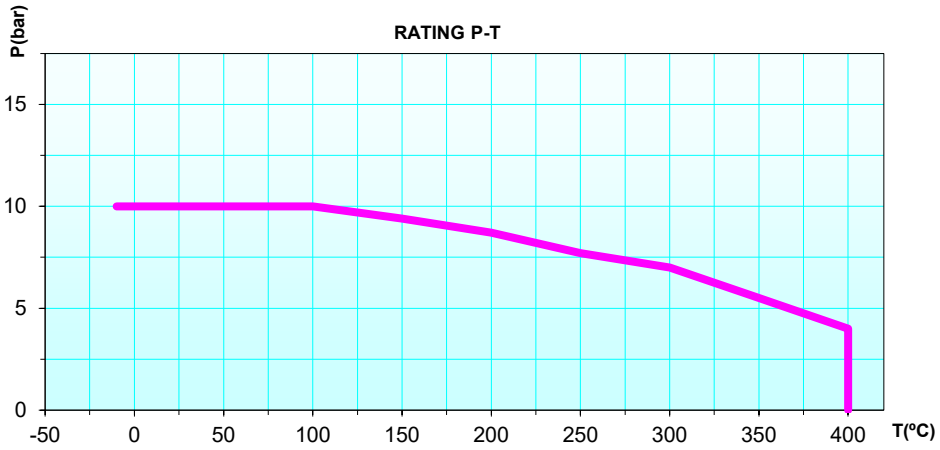
Questions referring to chemical resistance, please consult us
Observe also pressure/temperature limits on diagram on next page
**Classification of fluids (group 1 or 2) acc. to Directive 2014/68/EU, Article 13*

Options

Higher service temperatures, other designs and approvals; please consult us

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Pressure/Temperature limits diagram



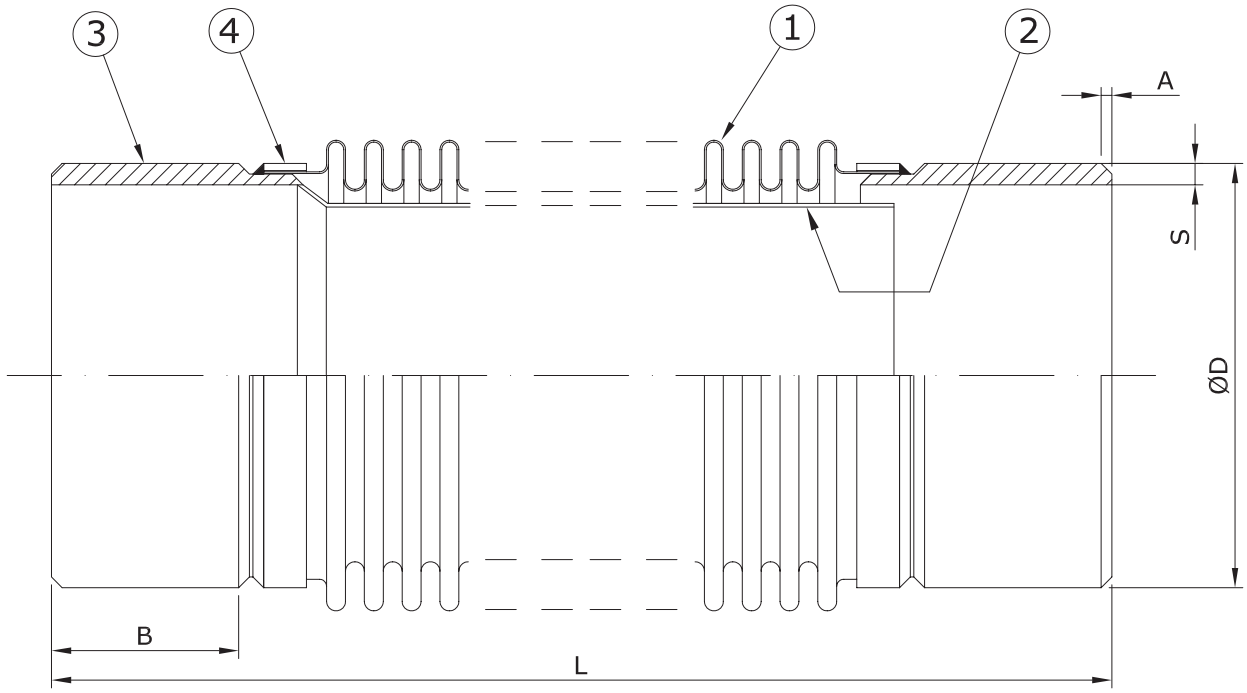
Type 25

P (bar)	10	10	9,4	8,7	7,7	7	5,5	4
T (ºC)	-10	100	150	200	250	300	350	400

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Main Parts and Materials

TYPE 25



Nº	PART		MATERIAL
1	BELLOWS		St. steel SS304
2	INTERNAL SLEEVE		St. steel SS304
3	TUBE ENDS	250_	Steel DIN St 44-2
		25I_	St. steel SS304
4	SEAL RING		St. steel SS304

Main Valve Parameters

DN	20	25	32	40	50	65
L	250	250	350	350	350	350
Axial Movement	+5, -25	+5, -25	+10, -40	+10, -40	+10, -40	+10, -40
No. of Corrugations	30	28	36	32	24	20
A	1,17	1,70	1,79	1,80	1,90	1,75
B	47,30	45,20	66,60	66,90	59,00	60,00
S	2,8	3,4	3,6	3,7	3,9	4,2
ØD	27,2	34	42,3	48,3	60,3	76,3
S	3	3	3	3	3,5	4
ØD	27,2	34	42,3	48,3	60,3	76,3
Effective Area	6	9	13	21	32	50
Approx. Weight	1	1	1	1,5	2	2,5

DN	80	100	125	150	200	250	300
L	350	350	350	350	350	350	350
Axial Movement	+10, -40	+10, -40	+10, -40	+10, -40	+10, -40	+10, -40	+10, -40
No. of Corrugations	20	16	15	14	13	12	12
A	2,20	2,30	2,50	3,75	3,75	3,75	3,75
B	58,70	65,50	62,10	60,9	58,8	60,10	59,50
S	4,2	4,5	5	5,5	6,5	6,3	7,9
ØD	89,1	114,3	139,8	168,3	219,1	273,1	323,9
S	4	4	5	5	6,5	6,5	6,5
ØD	89,1	114,3	139,8	168,3	219,1	273,1	323,9
Effective Area	67	110	182	259	417	661	907
Approx. Weight	2,5	4	5,5	6,5	8	11	17

Dimensions in mm subject to manufacturing tolerance / Effective Area in cm^2 / Weights in kg

Information / restriction of technical rules need to be observed!
Installation, Operating and Maintenance Manual can be downloaded at www.comeval.es

The engineer, designing a system or a plant, is responsable for the selection of the correct valve
Product suitability must be verified, contact manufacturer for information

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