



HIDRACAR S.A.

Pol.Ind.Buflavent C/Ramon Farguell 73-77
08243 Manresa (Barcelona)- Spain

T. +34 938 330 252
hidracar@hidracar.com
www.hidracar.com

DATA SHEET

SS. LOW PRESSURE PULSATION
DAMPERS WITH IN LINE RUBBER HOSES

REFERENCE:

AL.AI.BP.IN-LINE.IN.DOC

REV:

16

DATE:

OCT-26

DRAWN

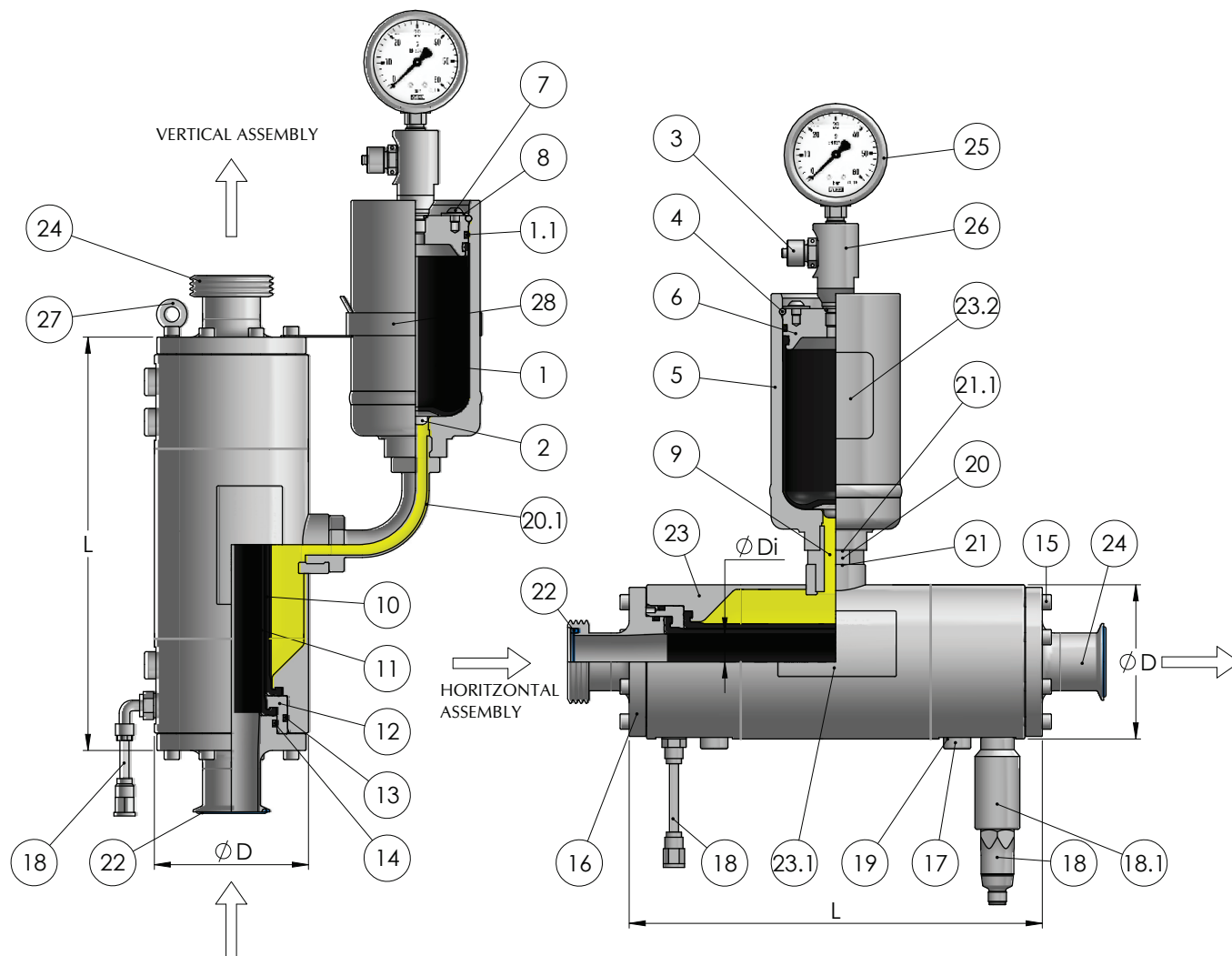
P.BASCOMPTA

APPROVED

E.CORTINA

The In-Line hygienic dampener is the ideal solution for dosing circuits in the food and pharmaceutical industries, as well as for managing high-frequency pressure peaks.

TOLERANCES: External dimentions: $\pm 3\%$ Volume: $\pm 2.5\%$ Weight: $\pm 5\%$



Wall thickness acc. to EN14359 code
Hydrostatic test pressure @ 1.43 x Design pressure @ 20°C

IN LINE PULSATION TRANSMITTER REF.	BLADDER DAMP. DESIGN PRESSURE (Bar) @ 20°C	D (mm)	Di (mm)	L (mm)	MAX. VOLUME BLADDER DAMPER REF.
L001A12X2AI/DT	120	88	23	226	U003 (0,36 l)
L002A10X2AI/DT	100	113	37	280	U010 (0,95 l)
L003A09X2AI/DT	90	139	52	319	U015 (1,50 l)
L004A09X2AI/DT		148	68	355	U040 (3,80 l)
L005A03X2AI/DT	30	214	102	480	U100 (10,40l)
L006A02X2AI/DT	20	260	118	559	U150 (15l)

REFERENCE CODE IDENTIFICATION

Rubber Hose X = E (EPDM) or S (SILICONE)

MAX. W. TEMPERATURE: 90°C IF CLOSED LIQUID ⑨ IS WATER AND GAS FILLING PRESSURE > 2 BAR

WORKING TEMPERATURES VERSUS WORKING PRESSURES

For a temperature of 90°C correspond design pressure x 0,85

Nº	ITEM	QT.	MATERIAL
1	DAMPENER BLADDER	1	EPDM or SILICONE (FDA)
1.1	O-RING	1	EPDM
2	INSERT	1	AISI 316L
3	CHARGING GAS VALVE	1	AISI 316L (1/4" BSP or Vg8)
4	RETAINING RING	1	AISI 316
5	BODY TOP BLADDER DAMPENER	1	AISI 316L
6	COVER TOP BLADDER DAMPENER	1	AISI 316L
7	BOLT	1 to 4	AISI 316L
8	WASHER	1 to 4	AISI 316L
9	SILICONE OIL (FDA) OR DESTILATED WATER		
10	EXTERNAL RUBBER HOSE	1	EPDM or SILICONE (FDA)
11	INTERNAL RUBBER HOSE	1	EPDM or SILICONE (FDA)
12	SUPPORTING RING	2	AISI 316L
13	O-RING	2	EPDM or SILICONE (FDA)
14	O-RING	2	EPDM or SILICONE (FDA)
15	RETAINING BOLTS	16	AISI 316L
16	FLANGE CONNECTIONS	2	AISI 316L
17	FILLING PLUG 1/4" BSP	2	AISI 316L
18	WINDOWS TUBE OR SENSOR	1	FOR DETECTION HOSE RUPTURE
18.1	PLUG 1/4" BSP PORT CONNECTION	1	AISI316 FOR ELECTRONIC SENSOR
19	SEAL WASHER	4	AISI 316L
20	ADAPTOR	1	AISI 316L
20.1	BENDED TUB ADAPTOR	1	AISI 316L
21	SEAL WASHER	1	AISI 316L
21.1	SEAL WASHER	1	AISI 316L
22	DIN-11851 or ISO-1127 SEAL	2	EPDM or SILICONE (FDA)
23	IN LINE SHELL	1	AISI 316L
23.1	WELD NAMEPLATE	1	AISI 316L
23.2	IDENTIFICATION LABEL	1	ADHESIVE PLASTIC
24	CONNECTION PORTS	2	(ON DEMAND) AISI 316L
25	PRESSURE GAUGE	1	AISI 304
26	"T" ADAPTOR	1	AISI 303
27	HANG EYEBOLT	1	AISI 303
28	BLADDER DAMPENER SUPPORT	1	AISI 303

FOR HIGHER PRESSURES, TEMPERATURES AND OTHER CONNECTIONS PORTS, PLEASE CONSULT.