

In-line pulsation dampeners for Bredel 25-100 pump series

ACCESSORIES

Bredel Hose Pumps

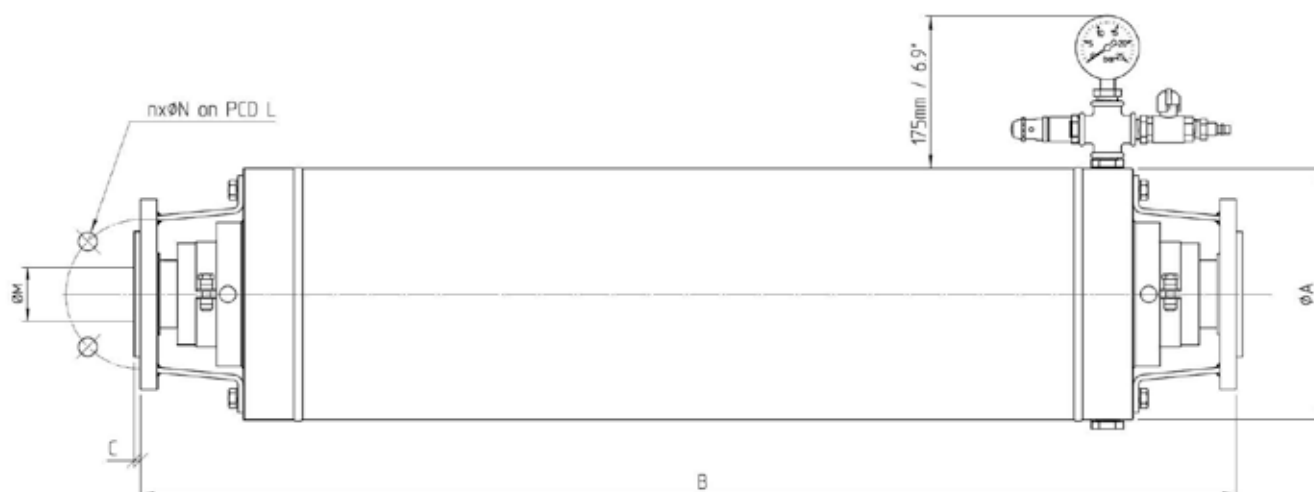
FEATURES AND BENEFITS

- Increases process uptime and performance by reducing pulsation in pump and process
- Reduces discharge pulsation, lessens vibrations and eliminates pipe hammer to improve pump performance
- In-line, low maintenance set-up, suitable for any Bredel pump with hose size from 25mm (1") to 100mm (4")
- Eliminates up to 90% of the pump discharge pulsation between 2 bar (29psi) and 16 bar (232psi) pressure
- Certified to meet directive 97/23/EC by Lloyds register

Consult your Bredel sales representative for advice on selecting an appropriate in-line pulsation dampener for your application.



DIMENSIONS



		Dimensions in mm (for DIN flanges)							Dimensions in inches (for 150# ANSI flanges)						
Dampener Type	Pump Type	A	B	C	C	n x N	L	M	A	B	C	C	n x N	L	M
				SS	PVC PVDF PP			DIN flange size			SS	PVC PVDF PP			ANSI flange size
PD40	Bredel 25	168	800	4	20	4 x 14	85	25	6.6	31.5	0.16	0.79	4 x 5/8	3 - 1/8	1
PD40	Bredel 32	168	800	4	20	4 x 18	100	32	6.6	31.5	0.16	0.79	4 x 5/8	3 - 1/2	1 - 1/4
PD40	Bredel 40	168	800	2.5	20	4 x 18	110	40	6.6	31.5	0.10	0.79	4 x 5/8	3 - 7/8	1 - 1/2
PD65	Bredel 50	245	1056	6	20	4 x 18	125	50	9.6	41.6	0.24	0.79	4 x 3/4	4 - 3/4	2
PD65	Bredel 65	245	1058	3	20	4 x 18	145	65	9.6	41.7	0.12	0.79	4 x 3/4	5 - 1/2	2 - 1/2
PD65	Bredel 265	245	1058	3	20	4 x 18	145	65	9.6	41.7	0.12	0.79	4 x 3/4	5 - 1/2	2 - 1/2
PD100	Bredel 80	324	1356	8	48	8 x 18	160	80	12.8	53.4	0.31	1.89	4 x 3/4	6	3
PD100	Bredel 280	324	1356	8	48	8 x 18	160	80	12.8	53.4	0.31	1.89	4 x 3/4	6	3
PD100	Bredel 100	324	1356	3	48	8 x 18	180	100	12.8	53.4	0.12	1.89	8 x 3/4	7 - 1/2	4
PD100	Bredel 2100	324	1356	3	48	8 x 18	180	100	12.8	53.4	0.12	1.89	8 x 3/4	7 - 1/2	4

TECHNICAL SPECIFICATIONS

Pulsation Dampener	PD/40	PD/65	PD/100
Estimated assembly weight	34.4kg, 75.8lbs	79.9kg, 176.1lbs	146kg, 321.9lbs
Maximum allowable pressure in vessel	1600 kPa (16 bar), 232.1psi		
Maximum working pressure discharge line	1600 kPa (16 bar), 232.1psi		
Ambient temperature of the pulsation dampener	-20C to 45C, -4.0F to 113.0F		
Product temperature for pulsation dampener	-10C to 80C, 14.0F to 176.0F		
Storage temperature of pulsation dampener	-40C to 70C, -40.0F to 158.0F		
Available hose materials	NR, NBR, EPDM, CSM		

Flanges and inserts	PD/40	PD/65	PD/100
Available inserts for flanges	SS, PVC, PP, PVDF	Steel, SS, PVC, PP, PVDF	Steel, SS, PVC, PP, PVDF
Available flanges	DIN, ANSI, JIS standard in galvanized steel, or AISI 316 SS option		

MATERIALS OF CONSTRUCTION

	PD/40, PD/65, PD/100
Housing	Carbon steel
O Rings	NBR
Flange	DIN, ANSI, JIS: galvanized steel, ANSI also available in AISI 316 SS
Inserts	Steel, SS, PP, PVC or PVDF

ORDERING CODES AND SELECTION OPTIONS

For ordering codes and information on pulsation dampeners and inserts please contact your Bredel representative.

Replacement hose element			Part number		
Hose Type	Material	Colour code	PD/40	PD/65	PD/100
NR	Natural rubber	Purple	P 040020	P 065020	P 100020
NBR	Nitrile rubber	Yellow	P 040040	P 065040	P 100040
EPDM	EPDM	Red	P 040075	P 065075	P 100075
CSM	CSM	Blue	P 040070	P 065070	P 100070

The material of the inner liner of the hose determines the hose type. Each hose type is marked by a unique colour code.

The pulsation dampener hose liner material should be chemically resistant to the product to be pumped.

A matching hose should be selected relative to your application.

- A** Outer extruded layer made of natural rubber
- B** Four nylon reinforcement layers
- C** Inner extruded liner

