

PD 40

Discharge pulsation dampener

Bredel

Hose Pumps

Features and benefits

- Increases process uptime and performance by reducing pulsation in pump and process
- Decreases vibration in your system and eliminates pipe hammer to improve pump performance
- In-line, low maintenance set-up, suitable for Bredel and APEX pumps with hose size from 25 mm (1") to 100 mm (4")
- Eliminates up to 90% of the pump discharge pulsation between 2 bar (29 psi) and 16 bar (232 psi) pressure
- Certified to meet directive 2014/68/EU by LRQA



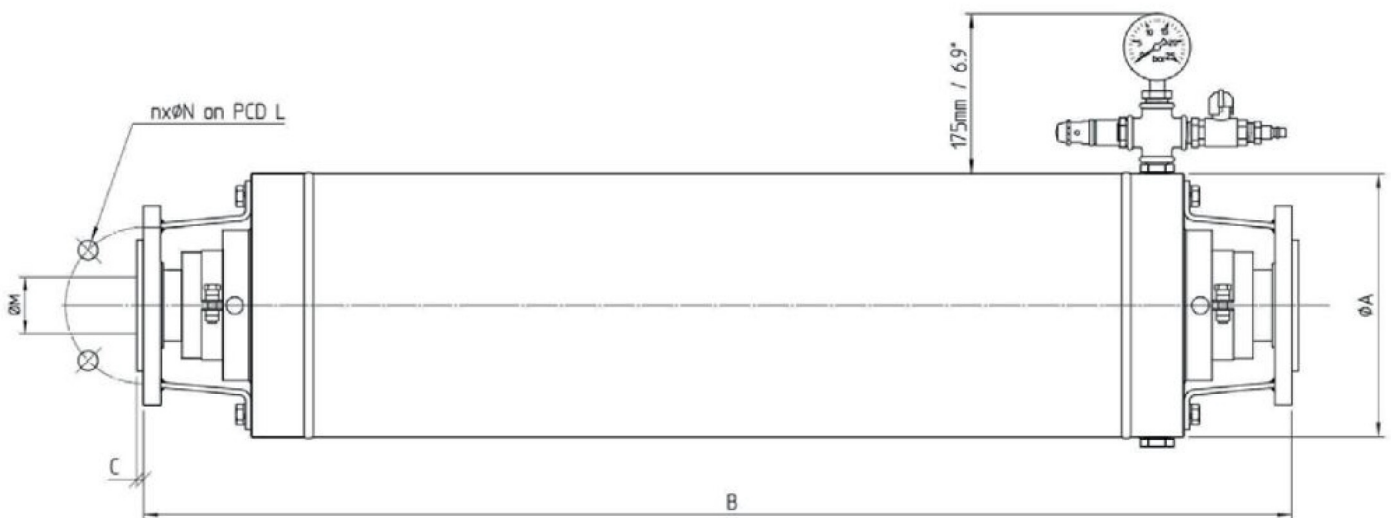
Technical specifications

	PD 40
Max. operating pressure	16 bar (232.1 psi)
Storage temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Product temperature	-10 °C to 80 °C (14 °F to 176 °F)
Assembly weight	34.4 kg (75.8 lbs)

Materials of construction

	PD 40
Hose material	CSM, EPDM, Natural rubber (NR), NBR
Housing assemblies	Carbon steel
O-ring	NBR
Flange materials	Galvanised steel, Stainless steel 316
Inserts	PP (polypropylene), PVC, PVDF, Stainless steel

PD 40 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	APEX 28	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	APEX 35	168	800	4	20	4 x 18	100	32	6.6	31.5	0.10	0.79	4 x 5/8	3 - 7/8	1 - 1/2
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

Product codes

Replacement hose element			Part number
Hose Type	Material	Colour code	PD/40
NR	Natural rubber	Purple	28-P040020
NBR	Nitrile rubber	Yellow	28-P040040
EPDM	EPDM	Red	28-P040075
CSM	CSM	Blue	28-P040070

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

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

Disclaimer: The information contained in this document is believed to be correct at the time of publication, but Watson-Marlow Bredel BV accepts no liability for any error it contains, and reserves the right to alter specifications without prior notice. All mentioned values in this document are values under controlled circumstances at our test bed. Actual flow rates achieved may vary because of changes in temperature, viscosity, inlet and discharge pressures and/or system configuration. APEX, DuCoNite, Bioprene and Bredel are registered trademarks.



wmfts.com/global
10 December 2025