



Technical data of Boxer diaphragm pumps											
Version	<a href="#">Micro Boxer</a>	<a href="#">Mini Boxer</a>	<a href="#">Boxer 50</a>	<a href="#">Boxer 80</a>	<a href="#">Boxer 81</a>	<a href="#">Boxer 100</a>	<a href="#">Boxer 150</a>	<a href="#">Boxer 250</a>	<a href="#">Boxer 251</a>	<a href="#">Boxer 502</a>	<a href="#">Boxer 503</a>
Materials	PP ECTFE ALU AISI 316	PP ECTFE AISI 316	ALU	AISI 316	ALU PP ECTFE	PP ECTFE	PP ECTFE ALU AISI 316	PP ECTFE	ALU AISI 316	PP PVDF	PP PVDF

### Chemical compatibility

The type of fluid, the temperature and the area of use are all influencing factors in determining the choice of materials for the dampener and their correct chemical compatibility. The following table is shown here below as an example related to some of the more commonly used substances.

with PP, PVDF, ECTFE, Halar®, Aluminium, AISI 316 stainless steel, NBR Perbunan®, EPDM Dutral®						
Material	PP	PVDF ECTFE Halar®	Aluminium	AISI 316 stainless steel	NBR Perbu nan®	EPDM Dutral ®
Acetaldehyde	A1	D	B	A	D	A
Acetamide	A1	C	A	A	A	A
Vynil acetate	B1	A2	A1	B	D	B2
Acetylene	A1	A	A	A	B	A
Vinegar	A	B	D	A	B	A
Acetone	A	D	A	A	D	A
Fat acids	A	A	A	A	B	D

with Poliurethane, PTFE Teflon®, PPS-VRyton®, FPM Vyton®, Santoprene®, PE UHMW Polizene®						
Material	Poli urethane	PTFE Teflon®	PPS-V Ryton®	FPM Vyton®	Santo prene®	PE UHMW Polizene®
Acetaldehyde	---	A	A	D	---	B
Acetamide	---	A	A	B	---	---
Vynil acetate	---	A2	---	A1	---	D
Acetylene	D	A	A	A	---	---
Vinegar	D	A	A	A	---	A
Acetone	D	A	A	D	A1	A2
Fat acids	D	A	---	A	D	A

Chemical compatibility:

A = excellent

B = good

C = slight, not recommended

D = serious attack, not recommended

--- = not available

1 = up to 22°C

2 = up to 48°C