











Product detail	Specification	Order No.
<b>Pipe fitting</b>		
	Permits direct connection of hoses on pressure joint/suction joint of the pump.	
	PP DN 8 x G 1/4 OT AODD 1/4" PVDF DN 8 x G 1/4 OT AODD 1/4"	<b>5000-314</b> <b>5000-315</b>
<b>Coupling connector</b>		
	Permits direct connection of hoses on pressure joint/suction joint of the pump.	
	PP DN 8 x G 1/4 OT AODD 1/4"	<b>5000-020</b>
	PVDF DN 8 x G 1/4 OT AODD 1/4"	<b>5000-021</b>
	Brass DN 9 x G 1/4 OT AODD 1/4"	<b>5000-022</b>
	Stainless steel (1.4571) DN 9 x G 1/4 OT AODD 1/4"	<b>5000-023</b>
	PP DN 12 x G 1/4 OT AODD 1/4"	<b>5000-024</b>
	PP DN 12 x G 3/8 OT AODD 3/8"	<b>5000-034</b>
	PVDF DN 12 x G 3/8 OT AODD 3/8"	<b>5000-035</b>
	PP DN 12 x G 1/2 OT AODD 1/2"	<b>5000-030</b>
	PP DN 20 x G 1/2 OT AODD 1/2"	<b>5000-036</b>
	PVDF DN 12 x G 1/2 OT AODD 1/2"	<b>5000-031</b>
	Brass DN 12 x G 1/2 OT AODD 1/2"	<b>5000-032</b>
	Stainless steel (1.4571) DN 12 x G 1/2 OT AODD 1/2"	<b>5000-033</b>
	Stainless steel (1.4571) DN 20 x G 1/2 OT AODD 1/2"	<b>0300-215</b>
PP DN 25 x G 1 OT AODD 1"	<b>5000-037</b>	
Stainless steel (1.4571) DN 25 x G 1 OT AODD 1"	<b>5000-038</b>	
<b>Hose connections</b>		
	Hose connector with union nut (+ seal for metal connections) For the direct connection of hoses with different diameters to the pressure/suction joint of the double diaphragm pump.	
	PP DN 13 x G 1 1/4 IT AODD 1/2"	<b>0204-409</b>
	PP DN 19 x G 1 1/4 IT AODD 1/2"	<b>0204-410</b>
	PP DN 25 x G 1 1/4 IT AODD 1/2"	<b>0204-411</b>
	PP DN 19 x G 1 IT AODD 1/2"	<b>0204-438</b>
	PVDF DN 19 x G 1 1/4 IT AODD 1/2"	<b>0204-421</b>
	PVDF DN 25 x G 1 1/4 IT AODD 1/2"	<b>0204-422</b>
	PP DN 19 x G 1 1/4 IT AODD 1"	<b>0204-410</b>
	PP DN 25 x G 1 1/4 IT AODD 1"	<b>0204-411</b>
	PP DN 32 x G 1 1/4 IT AODD 1"	<b>0204-412</b>
	PVDF DN 19 x G 1 1/4 IT AODD 1"	<b>0204-421</b>
	PVDF DN 25 x G 1 1/4 IT AODD 1"	<b>0204-422</b>
	Alu DN 19 x G 1 1/4 IT AODD 1"	<b>0204-403</b>
	Alu DN 25 x G 1 1/4 IT AODD 1"	<b>0204-404</b>
	Alu DN 32 x G 1 1/4 IT AODD 1"	<b>0204-405</b>
	Stainless steel (1.4571) DN 19 x G 1 1/4 IT AODD 1"	<b>0204-400</b>
	Stainless steel (1.4571) DN 25 x G 1 1/4 IT AODD 1"	<b>0204-401</b>
	Stainless steel (1.4571) DN 32 x G 1 1/4 IT AODD 1"	<b>0204-402</b>
	<b>Hose connections</b>	
	Hose connector with union nut and seal	
	Stainless steel (1.4571) DN 38 x G 1 1/2 IT AODD 1 1/2"	<b>0204-418</b>
	PP DN 50 x G 2 IT AODD 2"	<b>5000-250</b>
	PVDF DN 50 x G 2 IT AODD 2"	<b>5000-251</b>
Stainless steel (1.4571) DN 50 x G 2 IT AODD 2"	<b>5000-253</b>	

Product detail	Specification	Order No.																																																				
<b>Hose connections with Tri-clamp</b>																																																						
  	<p>For connecting the delivery hose to the PURE stainless steel double diaphragm pumps. Consisting of: Hose connector, locking clamp and seal. Material: Stainless steel (1.4404)</p> <table border="0"> <tr> <td>Connection:</td> <td>Hose nominal diameter:</td> <td>Seal:</td> <td>for pump:</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 19 (3/4")</td> <td>EPDM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 19 (3/4")</td> <td>FPM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 25 (1")</td> <td>EPDM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 25 (1")</td> <td>FPM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 32 (1 1/4")</td> <td>EPDM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 32 (1 1/4")</td> <td>FPM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 38 (1 1/2")</td> <td>EPDM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 1" and 1 1/2"</td> <td>DN 38 (1 1/2")</td> <td>FPM</td> <td>1/2" and 1" PURE</td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 38 (1 1/2")</td> <td>EPDM</td> <td>1 1/2" PURE</td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 38 (1 1/2")</td> <td>FPM</td> <td>1 1/2" PURE</td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 50 (2")</td> <td>EPDM</td> <td>1 1/2" PURE</td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 50 (2")</td> <td>FPM</td> <td>1 1/2" PURE</td> </tr> </table>	Connection:	Hose nominal diameter:	Seal:	for pump:	Tri-Clamp 1" and 1 1/2"	DN 19 (3/4")	EPDM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 19 (3/4")	FPM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 25 (1")	EPDM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 25 (1")	FPM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 32 (1 1/4")	EPDM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 32 (1 1/4")	FPM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 38 (1 1/2")	EPDM	1/2" and 1" PURE	Tri-Clamp 1" and 1 1/2"	DN 38 (1 1/2")	FPM	1/2" and 1" PURE	Tri-Clamp 2"	DN 38 (1 1/2")	EPDM	1 1/2" PURE	Tri-Clamp 2"	DN 38 (1 1/2")	FPM	1 1/2" PURE	Tri-Clamp 2"	DN 50 (2")	EPDM	1 1/2" PURE	Tri-Clamp 2"	DN 50 (2")	FPM	1 1/2" PURE	<p>0204-870 ■ 0204-871 ■ 0204-872 ■ 0204-873 ■ 0204-874 ■ 0204-875 ■ 0204-876 ■ 0204-877 ■ 0172-746 ■ 0204-878 ■ 0204-879 ■ 0204-880 ■</p>
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<b>Hose connections</b>																																														
  	<p>Safety connection for mineral oil hose, solvent hose, universal chemical hose with different connection threads.</p> <table border="0"> <tr> <td>Brass</td> <td>DN 13 x G 1/2 IT</td> <td>AODD 1/2"</td> <td><b>5000-102</b> ■</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>DN 13 x G 1/2 IT</td> <td>AODD 1/2"</td> <td><b>5000-103</b> ■</td> </tr> <tr> <td>Brass</td> <td>DN 19 x G 3/4 IT</td> <td>AODD 1/2"</td> <td><b>5000-104</b> ■</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>DN 19 x G 3/4 IT</td> <td>AODD 1/2"</td> <td><b>5000-105</b> ■</td> </tr> <tr> <td>Brass</td> <td>DN 25 x G 1 OT</td> <td>AODD 1"</td> <td><b>0302-010</b> ■</td> </tr> <tr> <td>Brass for mineral oil hose</td> <td>DN 25 x G 1 IT</td> <td>AODD 1"</td> <td><b>0302-112</b> ■</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>DN 25 x G 1 OT</td> <td>AODD 1"</td> <td><b>0302-013</b> ■</td> </tr> <tr> <td>Brass</td> <td>DN 38 x G 1 1/2 IT</td> <td>AODD 1 1/2"</td> <td><b>0302-091</b> ■</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>DN 38 x G 1 1/2 IT</td> <td>AODD 1 1/2"</td> <td><b>0302-092</b> ■</td> </tr> <tr> <td>Brass</td> <td>DN 50 x G 2 IT</td> <td>AODD 2"</td> <td><b>5000-100</b> ■</td> </tr> <tr> <td>Stainless steel (1.4571)</td> <td>DN 50 x G 2 IT</td> <td>AODD 2"</td> <td><b>5000-101</b> ■</td> </tr> </table>	Brass	DN 13 x G 1/2 IT	AODD 1/2"	<b>5000-102</b> ■	Stainless steel (1.4571)	DN 13 x G 1/2 IT	AODD 1/2"	<b>5000-103</b> ■	Brass	DN 19 x G 3/4 IT	AODD 1/2"	<b>5000-104</b> ■	Stainless steel (1.4571)	DN 19 x G 3/4 IT	AODD 1/2"	<b>5000-105</b> ■	Brass	DN 25 x G 1 OT	AODD 1"	<b>0302-010</b> ■	Brass for mineral oil hose	DN 25 x G 1 IT	AODD 1"	<b>0302-112</b> ■	Stainless steel (1.4571)	DN 25 x G 1 OT	AODD 1"	<b>0302-013</b> ■	Brass	DN 38 x G 1 1/2 IT	AODD 1 1/2"	<b>0302-091</b> ■	Stainless steel (1.4571)	DN 38 x G 1 1/2 IT	AODD 1 1/2"	<b>0302-092</b> ■	Brass	DN 50 x G 2 IT	AODD 2"	<b>5000-100</b> ■	Stainless steel (1.4571)	DN 50 x G 2 IT	AODD 2"	<b>5000-101</b> ■	
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<b>Hose coupling with Tri-clamp</b>																																														
   	<p>For connecting conductive delivery hoses to the AODD 1 1/2" PURE stainless steel, in potentially explosive atmospheres. The hose coupling must ensure a highly conductive transition between conductive hose and pump/armature.</p> <p>The ohmic resistance between the fittings must be less than 10<sup>6</sup> Ohm.</p> <p>Consisting of: Hose connector, clamp collars, locking clamp and seal.</p> <p>Material: Stainless steel (1.4404)</p> <table border="0"> <tr> <td>Connection:</td> <td>for hose nominal diameter:</td> <td>Seal:</td> <td>Pump:</td> <td></td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 50 (2")</td> <td>EPDM</td> <td>AODD 1 1/2" Ex PURE</td> <td></td> </tr> <tr> <td>Tri-Clamp 2"</td> <td>DN 50 (2")</td> <td>FPM</td> <td>AODD 1 1/2" Ex PURE</td> <td></td> </tr> </table>	Connection:	for hose nominal diameter:	Seal:	Pump:		Tri-Clamp 2"	DN 50 (2")	EPDM	AODD 1 1/2" Ex PURE		Tri-Clamp 2"	DN 50 (2")	FPM	AODD 1 1/2" Ex PURE		<table border="0"> <tr> <td><b>0204-868</b> ■ ■</td> </tr> <tr> <td><b>0204-869</b> ■ ■</td> </tr> </table>	<b>0204-868</b> ■ ■	<b>0204-869</b> ■ ■																											
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■ Suitable for transferring flammable and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.








■ Suitable for food and luxury foods, pharmaceuticals, cosmetics and hygiene products. Meets requirements of EC 1395/2004 as well as EC 10/2011 or FDA 21 CFR 177.

Product detail	Specification	Order No.
<b>Suction strainer</b>		
	<p>Suitable for suction hose</p> <p>Stainless steel (1.4571) / PA Stainless steel (1.4571)</p> <p>G 1 1/4 OT G 1 1/4 OT</p>	<p><b>5000-283</b> <b>5000-284</b></p>
<b>Vibration dampener set</b>		
	<p>For vibration damping for free-standing installation consisting of 4 vibration dampeners incl. fixing material with thread M6 with thread M8</p> <p>For vibration damping for foot mounting consisting of 4 vibration dampeners incl. fixing material with thread M6 with thread M8 with thread M12</p>	<p><b>5000-219</b> <b>5000-218</b></p> <p><b>5000-216</b> <b>5000-215</b> <b>5000-217</b></p>
<b>Equipotential bonding cable</b>		
 	<p>Serves to create electrically conductive connection between explosion-proof pump and container as earthing and equipotential bonding function.</p> <p>2 m long                      AODD 1/4" to AODD 1" 2 m long                      AODD 1 1/2" to AODD 2"</p>	<p><b>5000-700</b> ■ <b>5000-701</b> ■</p>
<b>Hose clips</b>		
	<p>Hose clips made of stainless steel with threaded screw for connecting the different types of hoses to the hose connection.</p> <p>Nominal diameter: DN 9 (3/8") DN 13 (1/2") DN 19 (3/4") DN 25 (1") DN 32 - 38 (1 1/4" - 1 1/2") DN 50 (2")</p>	<p><b>0301-156</b> <b>0301-403</b> <b>0301-400</b> <b>0301-401</b> <b>0302-402</b> <b>0302-403</b></p>




■ Suitable for transferring flammable and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.



Product detail	Specification	Order No.
	<p><b>PVC spiral hose, fabric reinforced</b></p> <p>Hose is made of PVC , with woven layer and embedded galvanized steel helix. For aggressive, non-flammable liquids. Hose for food liquids, smooth inside and outside, complies with EU regulations 10/2011 and 1935/2004.</p> <p>Operating pressure: max. 14 bar Temperature of liquid: -5 up to +65°C</p> <p>Nominal diameter:                      Weight: DN 19 (3/4")                              0.45 kg/m DN 25 (1")                                0.67 kg/m DN 32 (1 1/4")                          0.80 kg/m DN 38 (1 1/2")                          1.15 kg/m DN 50 (2")                                1.60 kg/m</p>	<p><b>0374-466</b> <b>0374-467</b> <b>0374-468</b> <b>0374-469</b> <b>0374-470</b></p>
	<p><b>PTFE hose</b></p> <p>Temperature range of application: - 30 to + 100 °C                      Negative pressure: max. 0.7 bar Operating pressure: max. 6.5 bar at 20 °C                      (0.3 bar abs.)</p> <p>Material:    Nominal diameter: PTFE    DN 8 PTFE    DN 13</p>	<p><b>0374-444</b> <b>0374-445</b></p>
   	<p><b>Mineral oil hose</b></p> <p>Inner rubber made of NBR, outer rubber made of NBR. Not suitable for the suction operation. Electrically conductive: Type Ω-CL (&lt;10<sup>6</sup> Ohm between the fittings) according to TRbF 50 appendix B (TRbF 131/2).</p> <p>Temperature of liquid: -25 up to +65°C Material:    Nominal diameter:                      Operating pressure: NBR    DN 13    max. 10 bar NBR    DN 19    max. 10 bar NBR    DN 25    max. 10 bar</p> <p>Inner rubber NBR, outer rubber chloroprene. Not suitable for the suction operation. Electrically conductive: Type Ω/T (&lt;10<sup>6</sup> Ohm between the fittings, &lt;10<sup>9</sup> Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Temperature of liquid: -30 up to +90°C Material:    Nominal diameter:                      Operating pressure: NBR    DN 32    max. 16 bar NBR    DN 38    max. 16 bar NBR    DN 50    max. 16 bar</p>	<p><b>0374-446</b> ■ <b>0374-461</b> ■ <b>0374-462</b> ■</p> <p><b>0374-413</b> ■ <b>0374-414</b> ■ <b>0374-448</b> ■</p>



Product detail	Specification	Order No.																												
 	<p><b>Solvent hose</b></p> <p>Inner rubber made of NBR special, outer rubber made of NBR/PVC-Compound. Electrically conductive: Type Ω/T (&lt;10<sup>6</sup> Ohm between the fittings, &lt;10<sup>9</sup> Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Temperature of liquid: -20 up to +80°C</p> <table border="1"> <thead> <tr> <th>Material:</th> <th>Nominal diameter:</th> <th>Operating pressure:</th> <th>Negative pressure:</th> </tr> </thead> <tbody> <tr> <td>NBR special</td> <td>DN 13</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>NBR special</td> <td>DN 19</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>NBR special</td> <td>DN 25</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>NBR special</td> <td>DN 32</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>NBR special</td> <td>DN 38</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>NBR special</td> <td>DN 50</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> </tbody> </table>	Material:	Nominal diameter:	Operating pressure:	Negative pressure:	NBR special	DN 13	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	NBR special	DN 19	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	NBR special	DN 25	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	NBR special	DN 32	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	NBR special	DN 38	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	NBR special	DN 50	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	<p><b>0374-449</b> ■</p> <p><b>0374-416</b> ■</p> <p><b>0374-417</b> ■</p> <p><b>0374-418</b> ■</p> <p><b>0374-450</b> ■</p> <p><b>0374-451</b> ■</p>
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  	<p><b>Universal chemical hose</b></p> <p>Inner rubber made of cross-linked polyethylene (U-PE), outer rubber made of EPDM. Electrically conductive: Type Ω/T (&lt;10<sup>6</sup> Ohm between the fittings, &lt;10<sup>9</sup> Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Temperature of liquid: -30 up to +100°C</p> <table border="1"> <thead> <tr> <th>Material:</th> <th>Nominal diameter:</th> <th>Operating pressure:</th> <th>Negative pressure:</th> </tr> </thead> <tbody> <tr> <td>U-PE</td> <td>DN 13</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>U-PE</td> <td>DN 19</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>U-PE</td> <td>DN 25</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>U-PE</td> <td>DN 32</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>U-PE</td> <td>DN 38</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>U-PE</td> <td>DN 50</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> </tbody> </table>	Material:	Nominal diameter:	Operating pressure:	Negative pressure:	U-PE	DN 13	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	U-PE	DN 19	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	U-PE	DN 25	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	U-PE	DN 32	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	U-PE	DN 38	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	U-PE	DN 50	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	<p><b>0374-474</b> ■ ■</p> <p><b>0374-475</b> ■ ■</p> <p><b>0374-476</b> ■ ■</p> <p><b>0374-477</b> ■ ■</p> <p><b>0374-478</b> ■ ■</p> <p><b>0374-479</b> ■ ■</p>
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	<p><b>Special chemical hose FEP</b></p> <p>Inner rubber made of FEP, outer rubber made of EPDM. Electrically conductive: Type Ω-C (&lt;10<sup>6</sup> Ohm between the fittings) according to DIN EN 12115:2011. (<b>NOT</b> suitable for non-conductive, flammable liquids!)</p> <p>Temperature of liquid: -30 up to +100°C</p> <table border="1"> <thead> <tr> <th>Material:</th> <th>Nominal diameter:</th> <th>Operating pressure:</th> <th>Negative pressure:</th> </tr> </thead> <tbody> <tr> <td>FEP</td> <td>DN 19</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>FEP</td> <td>DN 25</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>FEP</td> <td>DN 32</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>FEP</td> <td>DN 38</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>FEP</td> <td>DN 50</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> </tbody> </table>	Material:	Nominal diameter:	Operating pressure:	Negative pressure:	FEP	DN 19	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	FEP	DN 25	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	FEP	DN 32	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	FEP	DN 38	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	FEP	DN 50	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	<p><b>0374-428</b></p> <p><b>0374-429</b></p> <p><b>0374-430</b></p> <p><b>0374-455</b></p> <p><b>0374-456</b></p>				
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 	<p><b>Special chemical hose PTFE</b></p> <p>Inner rubber made of PTFE, outer rubber made of EPDM. Electrically conductive: Type Ω/T (&lt;10<sup>6</sup> Ohm between the fittings, &lt;10<sup>9</sup> Ohm through the hose wall) according to DIN EN 12115:2011.</p> <p>Temperature of liquid: -30 up to +150°C</p> <table border="1"> <thead> <tr> <th>Material:</th> <th>Nominal diameter:</th> <th>Operating pressure:</th> <th>Negative pressure:</th> </tr> </thead> <tbody> <tr> <td>PTFE</td> <td>DN 19</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> <tr> <td>PTFE</td> <td>DN 25</td> <td>max. 16 bar</td> <td>max. 0.9 bar (0.1 bar abs.)</td> </tr> </tbody> </table>	Material:	Nominal diameter:	Operating pressure:	Negative pressure:	PTFE	DN 19	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	PTFE	DN 25	max. 16 bar	max. 0.9 bar (0.1 bar abs.)	<p><b>0374-481</b> ■</p> <p><b>0374-482</b> ■</p>																
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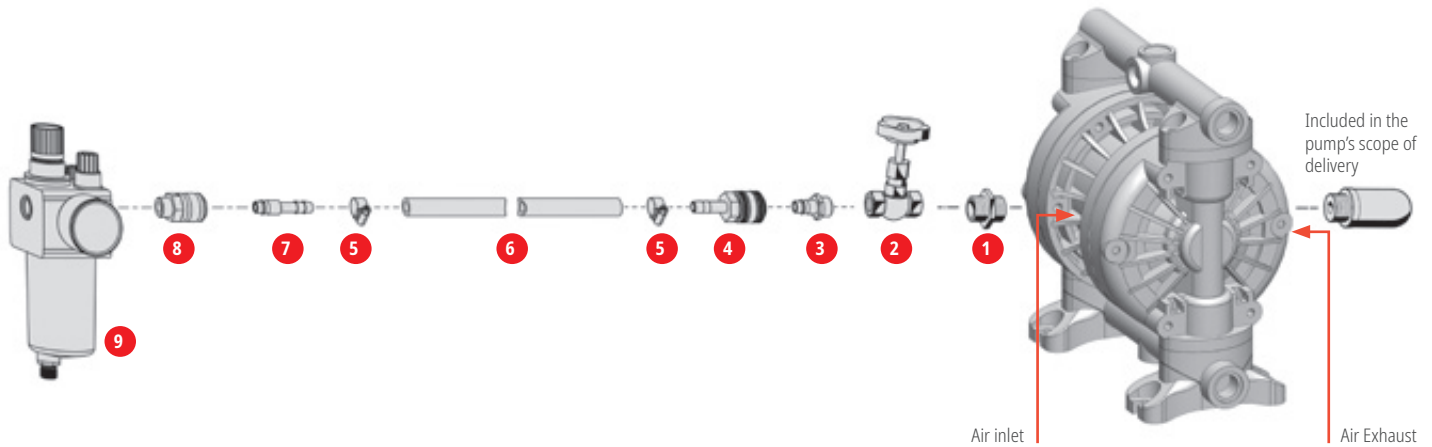
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■ Suitable for food and luxury foods, pharmaceuticals, cosmetics and hygiene products. Meets requirements of EC 1395/2004 as well as EC 10/2011 or FDA 21 CFR 177.



# Accessories for compressed air supply



Product detail	Specification	Order No.
	<b>1 Double nipple</b>  Brass G 3/8 OT Brass G 3/4 OT	<b>0302-157</b> <b>5000-171</b>
	<b>Reducing nipple</b>  Brass G 1/4 OT x 3/8 IT* Brass G 1/2 OT x 3/8 IT* Red cast iron G 1/2 OT x 3/4 OT * Depending on the size, a combination of double and reducing nipple is required	<b>5000-710</b> <b>5000-711</b> <b>0372-007</b>
	<b>Thread extension</b>  Brass G 3/8 Length: 40 mm When using a needle valve with 1/2" and 1" pump sizes	<b>5000-712</b>
	<b>2 Needle valve</b>  Regulates the air volume to the double diaphragm pump  Brass G 3/8 AODD 1/4" AODD 1/2" AODD 1" Brass G 3/4 AODD 1 1/2" AODD 2"	<b>5000-160</b>     <b>5000-161</b>
	<b>3 Nipple (male part)</b>  Brass (NW 7.2) G 3/8 OT AODD 1/4" AODD 1/2" AODD 1"	<b>0372-045</b>
	Brass (NW 7.2) G 1/2 OT AODD 1/4" (When using an air flow control valve) AODD 1/2" AODD 1"	<b>5000-179</b>
	Brass (NW 10) G 3/4 OT AODD 1 1/2" AODD 2"	<b>5000-172</b>







# Adjustable pulsation dampeners

## Mode of operation



Pulsation dampeners are containers filled with a gas cushion. A diaphragm separates the gas cushion from the system fluid. The dampeners store and discharge a part of the stroke volume in the stroke rhythm of the diaphragm pump, whereby the gas cushion is compressed or decompressed accordingly. This makes the pulsating flow rate of the pump almost uniform.

## Benefits of pulsation dampeners

- Prevents pipe vibrations that cause material fatigue and pipe bursts.
- Compensation of pressure surges (water hammer) protects built-in fittings.
- Ensure almost uniform volume flow, which increases the accuracy of flow meters.
- Explosion-proof models with approval according to ATEX.









## Installation

Pulsation dampeners should be installed as close as possible to the pump. On models with adjustable air control the dampener pressure can be adjusted or readjusted in case of pressure fluctuations. The air supply is parallel to the air supply of the double diaphragm pump.

Product detail	Specification	Order No.																												
<b>Pulsation dampener PD III D for AODD 1/4"</b>																														
	Housing materials: PP, PVDF and stainless steel (1.4571) Diaphragms: PTFE, EPDM, NBR and FPM Connection medium: G 1/2 IT Connection air: 1/4 NPT OT Operating pressure: max. 10 bar Volume: approx. 0.16 dm <sup>3</sup> , respectively approx. 0.13 dm <sup>3</sup> with PTFE-diaphragm Air control: adjustable Weight: approx. 1 up to 1.8 kg																													
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	PD III D – P – ND	PP (in contact with the product) PP (not in contact with the product)	EPDM	<b>5000-351</b>																										
	PD III D – P – T	PP (in contact with the product) PP (not in contact with the product)	PTFE	<b>5000-352</b>																										
	PD III D – P – V	PP (in contact with the product) PP (not in contact with the product)	FPM	<b>5000-353</b>																										
PD III D – K – T	PVDF (in contact with the product) PVDF (not in contact with the product)	PTFE	<b>5000-354</b>																											
PD III D – S – T Ex II 2 GD IIB T4	Stainless steel, 1.4571 (in contact with the product) Stainless steel, 1.4571 (not in contact with the product)	PTFE	<b>5000-357</b> ■																											
<b>Pulsation dampener for AODD 1/2" DT 50 / DTX 70</b>																														
	Housing materials: PE, PTFE and SS (1.4571) Diaphragms: PTFE, EPDM, NBR Connection medium: G 1/2 IT / G 3/4 stainless steel Connection air: G 1/4 IT Operating pressure: max. 8 bar Air control: automatically Weight: approx. 1.4 up to 2.1 kg	<b>PD II F</b>  SS (1.4571) FPM G 3/4 IT 1/4 NPT OT max. 10 bar adjustable approx. 4.5 kg																												



■ Suitable for transferring flammable and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.

Product detail	Specification			Order No.
 	<b>Type</b> DT 50 PN DT 50 PE DT 50 PT DT 50 TT  DT X 70 ST Ex II 2 GD IIB T4 PD II F – S – V Ex II 2 GD IIB T4	<b>Housing material</b> PE (in contact with the product) PE (in contact with the product) PE (in contact with the product) PTFE (in contact with the product)  Stainless steel, 1.4404 (in contact with the product) Stainless steel, 1.4571 (in contact with the product)	<b>Diaphragms</b> NBR EPDM PTFE PTFE  PTFE FPM	<b>5000-410</b> <b>5000-411</b> <b>5000-412</b> <b>5000-413</b>  <b>5000-414</b> ■ <b>5000-363</b> ■
<b>Pulsation dampener for AODD 1" DT 100 / DTX 120 PD II D</b>				
  	Housing materials: Diaphragms: Connection medium: Connection air: Operating pressure: Air control: Weight:  <b>Type</b> DT 100 PN DT 100 PE DT 100 PT DT 100 TT  DT X 120 ST Ex II 2 GD IIB T4 PD II D – S – V Ex II 2 GD IIB T4	PE, PTFE and SS (1.4571) PTFE, EPDM, NBR G 1 IT G 1/4 IT max. 8 bar automatically approx. 2.8 up to 4.6 kg  <b>Housing material</b> PE (in contact with the product) PE (in contact with the product) PE (in contact with the product) PTFE (in contact with the product)  Stainless steel, 1.4404 (in contact with the product) Stainless steel, 1.4571 (in contact with the product)	SS (1.4571) FPM G 3/4 IT 1/4 NPT OT max. 10 bar adjustable approx. 6 kg  <b>Diaphragms</b> NBR EPDM PTFE PTFE  PTFE FPM	<b>5000-415</b> <b>5000-416</b> <b>5000-417</b> <b>5000-418</b>  <b>5000-419</b> ■ <b>5000-369</b> ■
<b>Pulsation dampener PD I D for AODD 1 1/2" and AODD 2"</b>				
  	Housing materials: Diaphragms: Connection medium: Connection air: Operating pressure: Volume: Air control: Weight:  <b>Type</b> PD I D – P – B  PD I D – P – ND PD I D – P – T  PD I D – K – T  PD I D – C – B Ex II 2 GD IIB T4  PD I D – S – T Ex II 2 GD IIB T4 PD I D – S – V Ex II 2 GD IIB T4	PP, PVDF and stainless steel (1.4571) PTFE, EPDM, NBR and FPM G 2 IT 1/4 NPT OT max. 10 bar approx. 6 dm <sup>3</sup> , respectively approx. 5.8 dm <sup>3</sup> with PTFE-diaphragm adjustable approx. 7.2 up to 19 kg  <b>Housing material</b> PP (in contact with the product) PP (not in contact with the product) PP (in contact with the product) PP (in contact with the product) PP (not in contact with the product) PVDF (in contact with the product) PP (not in contact with the product) C-steel (in contact with the product) C-steel (not in contact with the product) Stainless steel, 1.4571 (in contact with the product) Stainless steel, 1.4571 (not in contact with the product) Stainless steel, 1.4571 (in contact with the product) Stainless steel, 1.4571 (not in contact with the product)	<b>Diaphragms</b> NBR  EPDM PTFE  PTFE  NBR  PTFE FPM	<b>5000-370</b>  <b>5000-371</b> <b>5000-372</b>  <b>5000-373</b>  <b>5000-374</b> ■  <b>5000-375</b> ■ <b>5000-376</b> ■



■ Suitable for transferring flammable and easy inflammable liquids (e.g. ethanol, petrol) or in explosive hazard area.