

## ATEX Zone 0/20 Certification

### AIR OPERATED DIAPHRAGM PUMPS

ARO® Metallic Air Operated Diaphragm Pump models comply with Zone 0 for gases and Zone 20 for dusts requirements. They have been Independently Lab Approved for the most stringent ATEX Requirements.

ARO is the only leading Global AODD manufacturer with this Certification. Zone 0 /20 pumps are the safest choice for on-the-edge applications where higher risk may appear unexpectedly.



### ATEX Zones

Hazardous areas are any location where there is risk of an explosion. The risk level of an explosion is determined by the frequency and duration of the occurrence of an explosive atmosphere.

#### Zone 0/20

This is an area in which an explosive atmosphere is present continuously for long periods of time or will frequently occur.

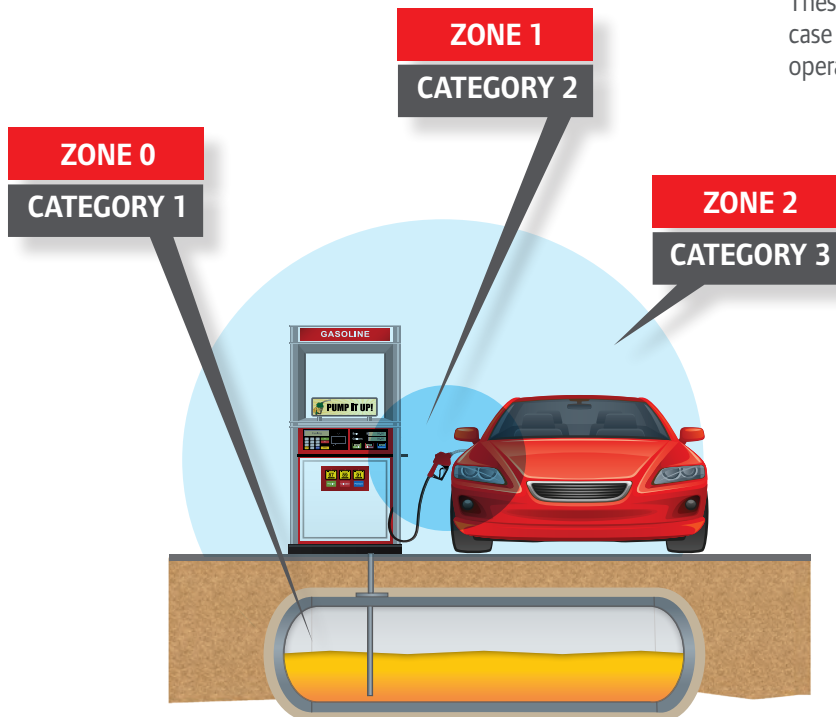
#### Zone 1/21

This is an area in which an explosive atmosphere is likely to occur occasionally in normal operation. It may exist because of repair, maintenance operations, or leakage.

#### Zone 2/22

This is a place in which an explosive atmosphere is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

These areas only become hazardous in case of an accident or some unusual operating condition.



SEE NEXT PAGE FOR PUMP SPECIFICATIONS AND ORDERING INFORMATION

## ATEX Zone 0/20 Certified Pumps

- Pumps can be used in extremely hazardous applications
- Selected models available from 1/2" to 3" inch port size in aluminum, cast iron and stainless steel
- Safest choice for on-the-edge applications where higher risk may appear unexpectedly



	PZ05X-XXX-XXX-B (1/2")	PZ10X-XXX-XXX (1")	PZ15X-XXX-XXX (1-1/2")	PZ20X-XXX-XXX-B (2")	PZ30X-XXX-XXX-C (3")
<b>GPM (lpm):</b>	12 (45)	52 (198)	123 (466)	172 (651)	275 (1,041)
<b>Max. Operating Pressure: PSI (bar)</b>	100 (6.9)	120 (8.3)	120 (8.3)	120 (8.3)	120 (8.3)
<b>Displacement per Cycle GPM (lpm):</b>	0.039 (0.15)	0.232 (0.88)	0.617 (2.34)	1.4 (5.3)	2.8 (10.6)
<b>Suspended solids in.(mm):</b>	3/32 (2.4)	1/8" (3.3)	1/4" (6.4)	1/4" (6.4)	3/8" (9.5)
<b>Air Inlet (Female):</b>	1/4 - 18 NPTF - 1	1/4 - 18 NPT	1/2 - 14 NPT	3/4 - 14 NPTF-1	3/4 - 14 NPTF-1
<b>Weight Examples lbs (kg):</b>	PZ05A-BAS-STT-B 10.4 (4.7)	PZ10A-BAP-AAA 25.4 (11.5)	PZ15A-BAP-AAA 63.3 (28.8)	PZ20A-BAP-AAA-B 149.8 (68)	PZ30A-BAP-AAA-C 129.5 (58.8)
	PZ05A-BSS-STT-B 16.6 (7.5)	PZ10A-BSS-STT 44.8 (20.3)	PZ15A-BSS-STT 63.3 (28.8)	PZ20A-BSS-STT-B 149.8 (68)	PZ30A-BSS-STT-C 227.5 (103.2)
		PZ10S-BHS-LTT 51.6 (23.4)	PZ15S-YHS-LTT 78.4 (35.6)	PZ20S-BHS-LTT-B 171.7 (77.9)	PZ30S-FHS-LTT-C 309.4 (140.5)

### Ordering

Position	1	2	3	4	5	6	7	8	9			
<b>Example:</b>	<b>PZXX</b>	<b>X</b>	-	<b>X</b>	<b>X</b>	<b>X</b>	-	<b>X</b>	<b>X</b>	<b>X</b>	-	<b>X</b>

Position 1 Model Series	Position 2 Center Section	Position 3 Connections	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material	Position 9 Revision Level
<b>PZ05</b> 1/2"	<b>A</b> Aluminum	<b>A</b> 1/2 - 14 NPTF-1 <b>B</b> Rp 1/2 (1/2 - 14 BSP, parallel)	<b>A</b> Aluminum <b>S</b> Stainless Steel	<b>S</b> Stainless Steel	<b>F</b> Aluminum <b>S</b> Stainless Steel	<b>A</b> Santoprene® <b>C</b> Hytrel® <b>G</b> Nitrile <b>T</b> PTFE <b>V</b> Viton®	<b>A</b> Santoprene® <b>C</b> Hytrel® <b>G</b> Buna-N <b>L</b> Long-Life PTFE <b>T</b> PTFE/ Santoprene® <b>V</b> Viton®	<b>B</b>
<b>PZ10</b> 1" <b>PZ15</b> 1-1/2" <b>PZ20</b> 2" <b>PZ30</b> 3"	<b>A</b> Aluminum <b>S</b> Stainless Steel	<b>1" (PZ10) &amp; 1-1/2" (PZ15)</b> <b>A</b> NPTF Thread <b>B</b> BSP Thread <b>Y††</b> ANSI/DIN Hybrid Flange <b>2" (PZ20)</b> <b>A</b> NPTF Thread <b>B</b> BSP Thread <b>F†</b> ANSI/DIN Hybrid Flange <b>3" (PZ30)</b> <b>A</b> NPTF Thread <b>B</b> BSP Thread <b>D†</b> ANSI Flange <b>F†</b> DIN Flange	<b>A</b> Aluminum <b>C</b> Cast Iron <b>S</b> Stainless Steel	<b>P</b> Plated Steel <b>S</b> Stainless Steel	<b>A</b> Santoprene <b>C</b> Hytrel <b>E</b> Carbon Steel <b>F</b> Aluminum <b>G</b> Nitrile <b>H</b> 440 SS <b>L</b> Hastelloy-C <b>S</b> Stainless Steel	<b>A</b> Santoprene® <b>C</b> Hytrel® <b>G</b> Nitrile <b>T</b> PTFE <b>V</b> Viton®	<b>A</b> Santoprene® <b>C</b> Hytrel® <b>G</b> Buna-N <b>L</b> Long-Life PTFE <b>T</b> PTFE/ Santoprene® <b>V</b> Viton®	<b>1"</b> <b>A</b> <b>1-1/2"</b> <b>A</b> <b>2"</b> <b>B</b> <b>3"</b> <b>C</b>

† Available in Stainless Steel Wetted Parts with Center Flange Only

†† Available in Stainless Steel Wetted Parts: 1" End Flange, 1-1/2" Center Flange

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