

## ATEX Compliant Diaphragm Pumps

Designed for safe operation in potentially explosive atmospheres

# ATEX

Bolted Design



Clamped Design



Food Processing/Sanitary



High Pressure





### APPLICATIONS:

- ▶ Chemical Transfer
- ▶ Mine Dewatering
- ▶ Food Processing
- ▶ Metal Finishing
- ▶ Ship Cleaning

  
**VERSA-MATIC®**

# What is ATEX?


**ATEX**  (Atmosphères Explosibles) is an acronym for the standard set by the European Parliament & Council of the European Union, recognized throughout the European Community as the safety standard for equipment used in potentially hazardous environments.




I M2 c  
 II 3/2 GD c T5–Metallic  
 II 3/2 GD c T6–Non-Metallic

Versa-Matic® Metallic and Non-Metallic Pumps fully comply with ATEX requirements!

## Why specify ATEX Compliant Pumps? Guaranteed Spark Free Safe Operation.

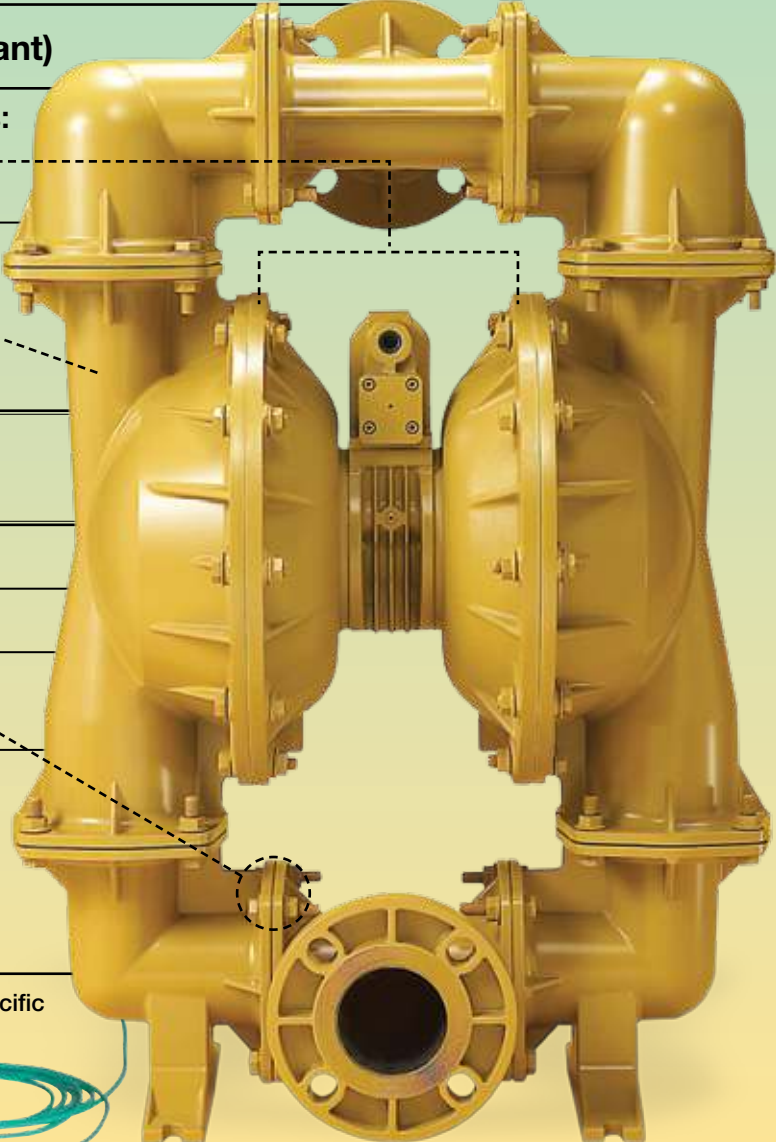
**FACT:** Flammable gasses, vapors, mist, and dust as small as .03mm are explosive safety concerns when oxygen (air) is present and ignited. Products marked with the EX hexagon symbol  followed by the Group and Category of safety protection indicates that the products are compliant with Directive 94/9/EC, according to Annex VIII.


## Recognize the components of ATEX Compliant Pumps!

 **CONDUCTIVE (ATEX Compliant)**


**\*Non-Wetted Conductive Materials:**  
 Acetal • Aluminum • Conductive Polypropylene • Stainless Steel

**Wetted Conductive Materials:**  
 Acetal • Aluminum • Cast Iron • Hastelloy C • Conductive Polypropylene • Stainless Steel






**ATEX SAFETY BENEFITS**

- Fully groundable
- Electrical continuity
- No isolated metallic hardware components
- Electro-static discharges are dissipated in a continual current path throughout the pump to a natural ground 

**NOTE:** \*See Materials Chart on back page for specific model details or consult the factory.

(Grounding Strap sold separately.) 



## ATEX Compliance offers important **SAFETY BENEFITS:**

- FULLY Groundable
- Electrically Conductive Materials of Construction
- ATEX Compliant means SAFE for use of equipment in potentially explosive environments, Zone 1(gases) and Zone 21 (dusts), Gas Group IIB

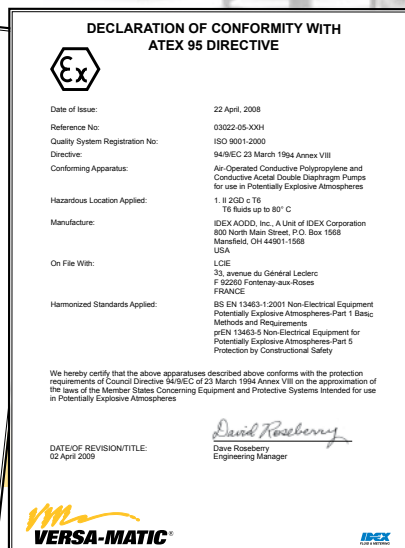
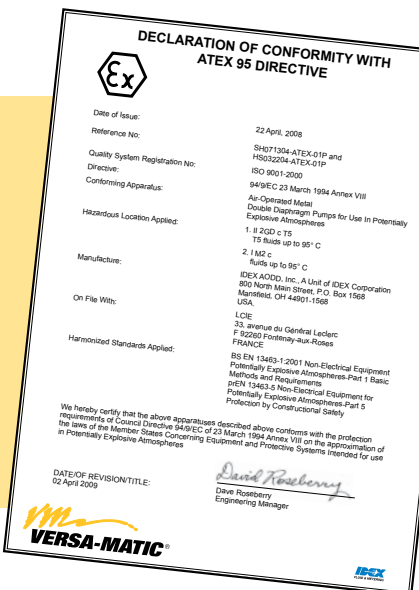


**Versa-Matic®** self-declares compliance with the safety requirements according to Annex VIII of Directive 94/9/EC. This safety compliance includes:

- Filing a Technical Risk Assessment with a notified body. Versa-Matic files with LCIE – a Division of Bureau Veritas, France, Reference Numbers: SH071304-ATEX-01P, HS032204-ATEX-01P, and 03022-05-XXH.

Requirements for compliance include, but are not limited to:


- Accompanying all equipment and protective systems by instructions
- Analysis of hazards arising from different ignition sources
- Due analysis of equipment and protective systems
- Marking all equipment and protective systems
- Precise selection of electrically conductive materials
- Filing a Declaration of Conformity with the notified body
- Including the ATEX Declaration of Conformity with the packaging and shipment of every Versa-Matic ATEX Compliant pump



Versa-Matic's self-declared use of the ATEX mark and the documentation we provide is our published guarantee of compliance with the requirements of the Directive and the safety of our products.

# Versa-Matic® delivers the safety of ATEX Compliance, in the pump styles and materials the world demands.

SIZE	MODELS	MAX FLOW	Metallic Materials			
			AL	CI	SS	H
<b>Clamped Metallic Pumps</b>						
1½"	E4	70 gpm (265 l/min)	⊕Ex	⊕Ex	⊕Ex	⊕Ex
2"	E2	155 gpm (586 l/min)	⊕Ex	⊕Ex	⊕Ex	⊕Ex
3"	E3	230 gpm (870 l/min)	⊕Ex	⊕Ex	⊕Ex	⊕Ex
<b>Bolted Metallic Pumps</b>						
½"	E5	14 gpm (53 l/min)	⊕Ex		⊕Ex	⊕Ex
¾"	E7	14 gpm (53 l/min)	⊕Ex			
1"	E1	35 gpm (132 l/min)	⊕Ex		⊕Ex	⊕Ex
1½"	E4	72 gpm (275 l/min)	⊕Ex		⊕Ex	⊕Ex
2"	E2	155 gpm (586 l/min)	⊕Ex	⊕Ex	⊕Ex	⊕Ex
3"	E3	230 gpm (870 l/min)	⊕Ex		⊕Ex	⊕Ex
<b>FDA Food Processing Pumps</b>						
½"	E5	14 gpm (53 l/min)			⊕Ex	
1"	E1	35 gpm (132 l/min)			⊕Ex	
1½"	E4	70 gpm (265 l/min)			⊕Ex	⊕Ex
2"	E2	155 gpm (586 l/min)			⊕Ex	⊕Ex
3"	E3	230 gpm (870 l/min)			⊕Ex	⊕Ex
<b>Sanitary Pumps</b>						
1½"	E4	60 gpm (227 l/min)			⊕Ex	
2"	E2	180 gpm (680 l/min)			⊕Ex	
<b>Flap Valve Pumps</b>						
2"	E2	180 gpm (680 l/min)	⊕Ex			
<b>High Pressure Pumps</b>						
1"	N25	30 gpm (125 l/min)	⊕Ex		⊕Ex	
2"	N50	90 gpm (341 l/min)	⊕Ex		⊕Ex	
2"	E2	69 gpm (261 l/min)			⊕Ex	
<b>Non-Metallic Pumps</b>						
¼"	E6	4 gpm (15 l/min)				⊕Ex
½"	E5	14 gpm (53 l/min)	⊕Ex			⊕Ex
1"	E1	35 gpm (132 l/min)	⊕Ex			
1½"	E4	72 gpm (275 l/min)	⊕Ex			
2"	E2	155 gpm (586 l/min)	*			

NOTE:  = Dimensionally interchangeable with Wilden® Metallic clamp style pumps.

## ATEX COMPLIANT



I M2 c  
II 3/2 GD c T5–Metallic  
II 3/2 GD c T6–Non-Metallic

AL = Aluminum  
CI = Cast Iron  
SS = Stainless Steel  
H = Hastelloy C

CP = Conductive Polypropylene  
P = Polypropylene  
K = PVDF  
G = Conductive Acetal

\*Note: E2 2" Non-Metallic offering under development. Contact factory for availability.

Wilden® is a registered trade name of Wilden Pump and Engineering Company, A Dover Resources Company.



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VMATEXB-1109