

Ship Cleaning

## **ATEX Compliant Diaphragm Pumps**

Designed for safe operation in potentially explosive atmospheres





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 <u>safety</u> standard for equipment used in potentially hazardous environments.

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

FACT: Flammable gasses, vapors, mist, and dust as small as



Versa-Matic<sup>®</sup> Metallic and Non-Metallic Pumps fully comply with ATEX requirements!

.03mm are explosive safety concerns when oxygen (air) is present and ignited. Products marked with the EX hexagon symbol  $\overleftarrow{kx}$  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!**





SALE

### **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*<sup>®</sup> 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

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	DECLARATION OF CONFORMITY WITH ATEX 95 DIRECTIVE		DECLARATION OF CONFORMITY WITH			
	Date of Issue:	22 April	Date of Issue	22 Anii 2008		
	romerence No:		charle of harde.	11		
	Quality System Registration	SH071304-ATEX-01P and HS032204 ATEX-01P and	Reterence No:	03022-05-XXH		
	Directive:	ISO 9001-2000	Quality System Registration No:	94/9/EC 23 March 1904 Americ VIII		
	Conforming Apparatus:	94/9/EC 23 March 1994 Annex VIII Air-Operated Metal	Conforming Apparatus:	Air-Operated Conductive Polypropyle Conductive Acetal Double Diaphragm		
	Hezerdous Location Applied:	Double Diaphragm Pumps for Use In Potentially Explosive Atmospheres	Hazardous Location Applied:	for use in Potentially Explosive Atmos 1. II 2GD c T6 T6 fluids up to 80° C		
	Manufacture:	T5 fluids up to 95° C 2. I M2 c fluids up to 95° C	Manufacture:	IDEX AODD, Inc., A Unit of IDEX Corp 800 North Main Street, P.O. Box 1568 Mansfield, OH 44901-1568 USA		
	On File With:	NDEX AODD, Inc., A Unit of IDEX Corporation 800 North Main Street, P.O. Box 1568 Mansfield, OH 44901-1568 USA,	On File With:	LCIE 33, avenue du Général Leolerc F 92260 Fontenay-aux-Roses FRANCE		
	Harmonized Standards Applied:	LCIE 33. avenue du Général Leclerc F 92260 Fontenay-aux-Roses FRANCE	Harmonized Standards Applied:	BS EN 13463-1:2001 Non-Electrical E Potentially Explosive Atmospheres-Pa Methods and Requirements crEDI 13463-6 Non-Electrical Environme		
	We hereby certify that the above apparatus requirements of Council Directive Gamers the laws of the Council Directive Gamers	BS EN 13463-12001 Non-Electrical Equipment Potentially Exprosive Amogheres-Part 1 Basic Methods and Requirement Part 1 Basic Part 13463. Non-Electrical Edupment for Potentially Explosive Amotheres-Part 5 Protection by Constructional Safety	We hereby certify that the above appare requirements of Council Directive 54/06 the laws of the Member States Concern in Potentially Explosive Annophres	Potentially Explosive Atmospheres-P Protection by Constructional Safety Protection by Constructional Safety waratuses described above conforms with the pro MPEC of 23 March 1994 Annex VIII on the approx mining Equipment and Protective Systems Intence		
	in Potentially Explosive Atmospheres	a 23 March 1994 Annex VIII on the approximation of Equipment and Protective Systems Intended for use		David Reseberry		
	DATE/OF REVISION/TITLE: 02 April 2009	David Roseberry Dave Roseberry Engineering Managor	02 April 2009	Engineering Manager		
V	ERSA-MATIC		VERSA-MATIC*			
		ISEX				

Versa-Matics'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.

-				Metallic Materials					
	SIZE	MODELS	MAX FLOW	AL	CI	SS	Н		
	Clam	oed Metal	lic Pumps						
	11⁄2"	E4	70 gpm (265 l/min)	(Ex) 💠	(Ex) 🌵	(Ex) 💠	(Ex) 🙀		
er	2"	E2	155 gpm (586 l/min)	(Ex)	(Ex) 🙀	(Ex)	(Ex) 🏘		
and the second	> 3"	E3	230 gpm (870 l/min)	(Ex) 💠	(Ex) 🌵	Ex 🛉	(Ex) 🙀		
E C	Boltee	d Metallic	Pumps						
	1⁄2"	E5	14 gpm (53 l/min)	(Ex)		(Ex)	(Ex)		
- AMERICA	3⁄4"	E7	14 gpm (53 l/min)	(Ex)					
E CAN	1"	E1	35 gpm (132 l/min)	(Ex)		(Ex)	(Ex)		
	11/2"	E4	72 gpm (275 l/min)	(Ex)		(Ex)	(Ex)		
	2"	E2	155 gpm (586 l/min)	Æx>	Æx>	⟨€x⟩	(Ex)		
	3"	E3	230 gpm (870 l/min)	(Ex)		₹x3	(Ex)		
	FDA F	FDA Food Processing Pumps							
	► ½"	E5	14 gpm (53 l/min)			⟨€x⟩			
	1"	E1	35 gpm (132 l/min)			(Ex)			
	11⁄2"	E4	70 gpm (265 l/min)			£x 🐓			
( the second sec	2"	E2	155 gpm (586 l/min)			(Ex) 🐓			
the second	3"	E3	230 gpm (870 l/min)			(Ex) 🐓			
	Sanita	ary Pumps	;						
E REAL	11⁄2"	E4	60 gpm (227 l/min)			(Ex)			
	2"	E2	180 gpm (680 l/min)			(Ex)			
A DAMA	Flap V	/alve Pum	ps						
100	> 2"	E2	180 gpm (680 l/min)	Æx>					
	High I	Pressure F	Pumps						
	1"	N25	30 gpm (125 l/min)	⟨€x⟩		₹¥ €x			
	2"	N50	90 gpm (341 l/min)	(Ex)		(Ex)			
	<u>2"</u>	E2	69 gpm (261 l/min)			₹£x			
				Non	-Metalli	ic Mate	rials		
	Non-N	Non-Metallic Pumps		СР	Р	K	G		
	1⁄4"	E6	4 gpm (15 l/min)				⟨£x⟩		
	► ½"	E5	14 gpm (53 l/min)	Æx>			⟨£x⟩		
	1"	E1	35 gpm (132 l/min)	⟨€x⟩					
And and a set	11⁄2"	E4	72 gpm (275 l/min)	(Ex)					
	2"	E2	155 gpm (586 l/min)	*					
			AL = Aluminum	CP	= Conduct	tive Polypi	ropylene		
interchangeable with	M2 c		CI = Cast Iron	P	= Polyprop	oylene			
Wilden <sup>®</sup> Metallic	3/2 GD c	T5–Metallic	SS = Stainless Ste	el K	= PVDF				
	3/2 GD c	T6–Non-Me	etallic H = Hastelloy C	G	= Conduct	tive Aceta			
Wilden <sup>®</sup> is a registered trade name of sources Company, A Dover Resources Company, A Dover Resources Company.									

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