

# DATA SHEET

## Specifications & Performance

### Certified Quality



Quality System  
ISO 9001 Certified



Environmental Management System  
ISO 14001 Certified



Certified to CSA Technical Letter No. R-14



Certified to ANSI LC6-2008



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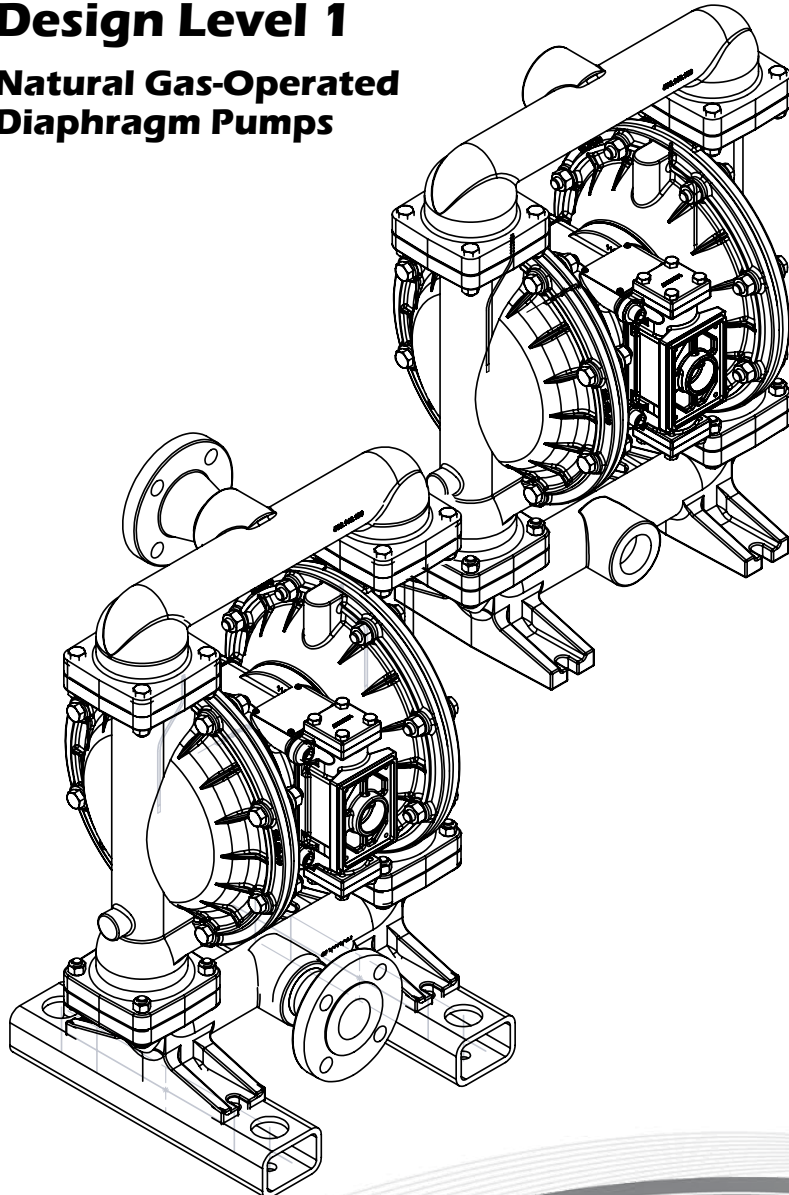
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## Model G15

**Metallic**

**Design Level 1**

**Natural Gas-Operated  
Diaphragm Pumps**



**SANDPIPER®**  
A WARREN RUPP, INC. BRAND  
SANDPIPERPUMP.COM

# Explanation of Pump Nomenclature

Your Model #: **G**  
(fill in from pump nameplate)

Model #:	<b>G</b>											
						</						

## Pump Brand

**G** Natural Gas Operated

## Pump Size

**15** 1½"

## Check Valve Type

**B** Ball

## Design Level

**1** Design Level

## Wetted Material

**S** Stainless Steel

**A** Aluminum

## Diaphragm/Check Valve Materials

**B** Nitrile/Nitrile

**T** PTFE -Nitrile/PTFE

**5** Nitrile/PTFE

## Check Valve Seat

**T** PTFE

**S** Stainless Steel

**A** Aluminum

## Non-Wetted Material Options

**A** Painted Aluminum

**B** Unpainted Aluminum with Stainless Steel Gas Valve

**D** Unpainted Aluminum with Stainless Steel Gas Valve with FKM O-rings

**X** Unpainted Aluminum

**0** Unpainted Aluminum/FKM Elastomers

**V** Unpainted Aluminum/FKM Elastomers

**S** Stainless Steel/ S02/304 SS Hardware

**T** Stainless Steel/ 316 Stainless Hardware

**7** Painted Stainless Steel

**8** Stainless Steel/FKM Elastomers

**9** Painted Stainless Steel/FKM Elastomers

## Porting Options

**N** NPT Threads

**B** BSP (Tapered) Threads

**R** 150# Raised Face 1 1/2" ANSI Flange w/ Threaded Pipe Connections

**W** 150# Welded Raised Face 1 1/2" ANSI Flanged Manifolds

## Pump Style


**S** Standard

## Muffler Options

**X** No Muffler \*

Your Serial #: (fill in from pump nameplate) \_\_\_\_\_

## ATEX Detail

	ATEX Rating	Wetted Material Options	Non-Wetted Material Options
	II 1G c T5	S	S, T, 7, 8, 9
	II 1D c T100°C		
	I M1 c		
	I M2 c		
	II 2G c T5	All Options	All Options
	II 2D c T100°C		

# Performance

## G15 METALLIC

### SUCTION/DISCHARGE PORT SIZE

- 1½"

### CAPACITY

- 0 to 106 gallons per minute  
(0 to 401 liters per minute)

### GAS DISTRIBUTION VALVE

- No-lube, no-stall design

### SOLIDS-HANDLING

- Up to .25 in. (6mm)

### HEADS UP TO

- 100 psi or 231 ft. of water  
(7 bar or 70 meters)

### MAXIMUM OPERATING PRESSURE

- 100 psi (7 bar)

### DISPLACEMENT/STROKE

- .41 Gallon / 1.55 liter

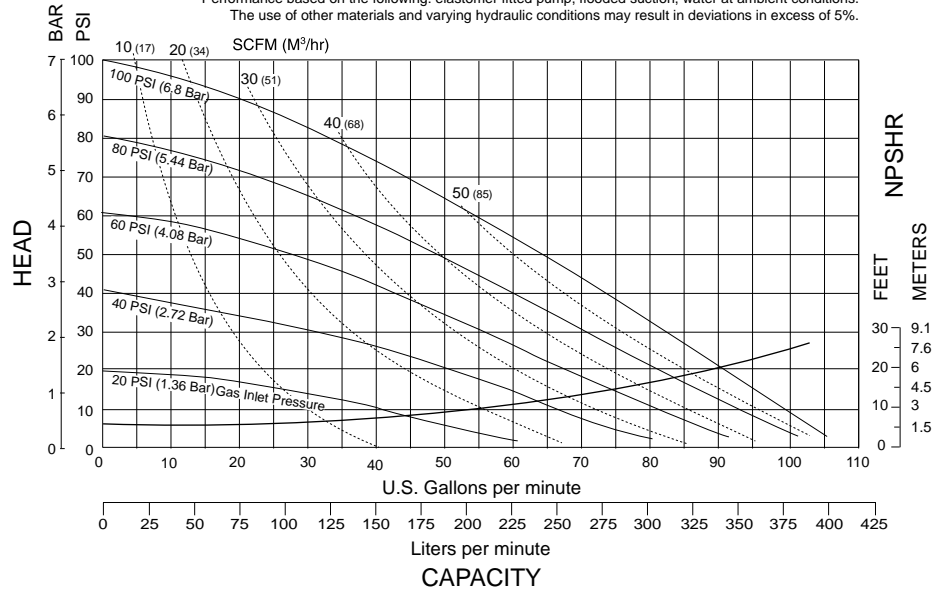
### SHIPPING WEIGHT

- Aluminum 53 lbs. (24kg)
- Stainless Steel 95 lbs. (43kg)

These pump models are designed to pump the following fluids:  
Crude Oil, Salt Water, Drilling Mud, Condensate, Lubrication Oils,  
Glycol, Caustic Liquids, and Acids."

## MODEL G15 Metallic Performance Curve

Performance based on the following: elastomer fitted pump, flooded suction, water at ambient conditions.  
The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.



**Exhaust Gas:** The exhausted natural gas must be vented to a low pressure safe location in accordance with local fire safety and environmental codes, or in the absence of local codes, an industry or nationally recognized code having jurisdiction over the specific installations, and/or CAN/CGA B149, Installation Codes

# Materials

## Material Profile:

**CAUTION!** Operating temperature limitations are as follows:

**FKM:** (Fluorocarbon) Shows good resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F(21°C)) will attack FKM.

**Nitrile:** General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.

**Virgin PTFE:** (PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE; molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.

Maximum and Minimum Temperatures are the limits for which these materials can be operated. Temperatures coupled with pressure affect the longevity of diaphragm pump components. Maximum life should not be expected at the extreme limits of the temperature ranges.

## Metals:

**Stainless Steel:** Equal to or exceeding ASTM specification A743 CF-8M for corrosion resistant iron chromium, iron chromium nickel and nickel based alloy castings for general applications. Commonly referred to as 316 Stainless Steel in the pump industry.

For specific applications, always consult the Chemical Resistance Chart.

**Ambient temperature range:** -20°C to +40°C

**Process temperature range:** -20°C to +80°C for models rated as category 1 equipment  
-20°C to +100°C for models rated as category 2 equipment

In addition, the ambient temperature range and the process temperature range do not exceed the operating temperature range of the applied non-metallic parts as listed in the manuals of the pumps.

# 5 - YEAR Limited Product Warranty

Warren Rupp, Inc. ("Warren Rupp") warrants to the original end-use purchaser that no product sold by Warren Rupp that bears a Warren Rupp brand shall fail under normal use and service due to a defect in material or workmanship within five years from the date of shipment from Warren Rupp's factory. Warren Rupp brands include Warren Rupp®, SANDPIPER®, MARATHON®, PortaPump®, SludgeMaster™ and Tranquilizer®.

~ See [sandpiperpump.com/content/warranty-certifications](http://sandpiperpump.com/content/warranty-certifications) for complete warranty, including terms and conditions, limitations and exclusions. ~

**WARREN  
RUPP, INC.**

## Declaration of Conformity

**Manufacturer: Warren Rupp, Inc., 800 N. Main Street  
Mansfield, Ohio, 44902 USA**

Certifies that Air-Operated Double Diaphragm Pump Series: HDB, HDF, M Non-Metallic, S Non-Metallic, M Metallic, S Metallic, T Series, G Series, U Series, EH and SH High Pressure, RS Series, W Series, SMA and SPA Submersibles, and Tranquilizer® Surge Suppressors comply with the European Community Directive 2006/42/EC on Machinery, according to Annex VIII. This product has used Harmonized Standard EN809:1998+A1:2009, Pumps and Pump Units for Liquids - Common Safety Requirements, to verify conformance.

David Roseberry  
Signature of authorized person

David Roseberry  
Printed name of authorized person

Revision Level: F

October 20, 2005  
Date of issue

Engineering Manager  
Title

August 23, 2012  
Date of revision



# **WARREN RUPP, INC.**

## **EC / EU Declaration of Conformity**

The objective of the declaration described is in conformity with the relevant Union harmonisation legislation: Directive 94/9/EC (until April 19, 2016) and Directive 2014/34/EU (from April 20, 2016).

**Manufacturer:**

Warren Rupp, Inc.  
A Unit of IDEX Corporation  
800 North Main Street  
P.O. Box 1568  
Mansfield, OH 44902 USA

**Applicable Standard:**

EN13463-1: 2001  
EN13463-5: 2003  
EN60079-25: 2004

**Harmonised Standard:**

EN13463-1: 2009  
EN13463-5: 2011  
EN60079-25:2010

The harmonised standards have been compared to the applicable standards used for certification purposes and no changes in the state of the art technical knowledge apply to the listed equipment.

**AODD Pumps and Surge Suppressors**

Technical File No.: 203104000-1410/MER

**AODD (Air-Operated Double Diaphragm) Pumps**

EC Type Examination Certificate No. Pumps: KEMA 09ATEX0071 X

DEKRA Certification B.V. (0344)

Meander 1051  
6825 MJ Arnhem  
The Netherlands

**Hazardous Locations Applied:**

I M1 c	II 1 G c T5
II 2 G Ex ia c IICT5	II 1 D c T100°C
II 2 D Ex c iaD 20 IP67 T100°C	II 2 G c T5
II 2 G Eex m c II T5	II 2 D c T100°C
II 2 D c IP65 T100°C	



**SANDPIPER®**

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**Tranquilizer®**

DATE/APPROVAL/TITLE:  
18 March 2016

*David Roseberry*  
David Roseberry, Director of Engineering

**IDEX**