



Chemical Metering Pumps

www.sidewinderpumps.com

Model 42/62/82 'E' Series Chemical Metering Pump



Sidewinder Pumps, Inc.

P.O. Box 80769, Lafayette, LA 70598

107 Commission Blvd, Lafayette, LA 70508

Phone: 337-235-9838 • Fax: 337-235-9852

www.sidewinderpumps.com • info@sidewinderpumps.com

05/11/17
This document replaces any and all documents prior to this date.



There ain't no better pump

Model 42 Chemical Metering Pump

- One quarter inch plunger
- 80:1 Amplification ratio
- Working pressures to 10,000 PSI
- Flows to 70 quarts per day

Model 62 Chemical Metering Pump

- Three eighths inch plunger
- 36:1 Amplification ratio
- Working pressures to 5,400 PSI
- Flows to 155 quarts per day

Model 82 Chemical Metering Pump

- One half inch plunger
- 20:1 Amplification ratio
- Working pressures to 3,000 PSI
- Flows to 275 quarts per day



'E' SERIES MICROMETER STROKE ADJUSTER



- Micrometer Stroke Adjuster dedicated with graduated scales for 1/4", 3/8", 1/2" respectively.
- All materials are 316 SS
- Volume given in cubic centimeters (cc).
- Stroke length given in inches (in) and millimeters (mm).
- Meets: API 675 Standard, 3rd Edition, June 2014. with exceptions. (See page.4)



Chemical Metering Pumps

www.sidewinderpumps.com



OFFICE PHONE (337) 235-9838 FAX (337) 235-9852 P.O. BOX 80769 LAFAYETTE, LA

Sidewinder Pumps Inc. / API Standard 675 3rd Edition, June 2014

Model's 42/62/82 "E" Series

Sidewinder Pumps Inc. takes exception to following specifications for pneumatic driven pumps:

6.1.17 3rd Edition June 2014

6.1.18 3rd Edition June 2014

6.1.19 3rd Edition June 2014

Due to the intrinsic design differences between pneumatic and electric driven pumps and that the API Standard is driven by electric design, it is Sidewinder Pumps Inc. opinion these do not apply to pneumatic driven pumps. Flow rate can be attained by pneumatic driven pump by two means – control of strokes per minute and length of stroke of plunger. There are any given numbers combinations of both that will give the same flow output. By design a pneumatic driven can accurately obtain a turn down ratio greater than 10:1. By design an electric driven pump obtains flow control by length of stroke on plunger only. At a point due to mechanical design, accuracy is no longer obtainable by an electric driven pump, therefore the guideline of API is that under 10:1 ratio a pump is not required to be repeatable. Once a given flow rate is obtained and given there are no fluctuations in supply pressure, Sidewinder Pumps will maintain given flow rate within + or – 1%. If air supply is disrupted and reestablished, pump will return to rate as set previously.

6.2.2 3rd Edition June 2014

Sidewinder pumps utilize a set screw on flange arrangement for securing power head. With over 50,000 pumps in the field over 25 years there have been no documented cases of failure.

6.3.1 3rd Edition June 2014

Sidewinder Pumps utilizes NPT connections

8.3.42 3rd Edition June 2014

Due to design and operation of pneumatic driven pump with having multiple options to obtain a given flow rate, this test is not practical for a pneumatic driven pump.



Chemical Metering Pumps

www.sidewinderpumps.com

“Dedicated to providing state of the art metering solutions for all your chemical treatment needs.”

Sidewinder Pumps, Inc.

Pneumatic Chemical Metering Pumps

Solar Powered Chemical Metering Pumps

Electric Powered Chemical Metering Pumps

P.O. Box 80769, Lafayette, LA 70598

107 Commission Blvd, Lafayette, LA 70508

www.sidewinderpumps.com

info@sidewinderpumps.com

Phone: 337-235-9838 • Fax: 337-235-9852

