NOVADOS Metering Pumps

METERING PUMP WITH DOUBLE-ACTING DIAPHRAGM PUMP HEAD

Bran+Luebbe®
For more than 75 years, Bran+Luebbe – now SPX Flow Technology – has been providing customers with high quality metering, processing and analysing equipment. As part of the global SPX Corporation, we are one of the world’s most reputable manufacturers of metering and process pumps, process systems as well as analyzing technologies. Our engineers have comprehensive process and applications knowledge across a wide range of markets. This has resulted in product innovations and developments which harness the latest technology whilst meeting the highest quality standards.

Part of SPX Corporation (NYSE: SPW), the Flow Technology segment designs, manufactures, installs and services highly engineered solutions used to process, blend, meter and transport fluids, in addition to air and gas filtration and dehydration. The segment supports the food and beverage, dairy, pharmaceutical, oil and gas, energy, and industrial markets worldwide.

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader with over $5 billion in annual revenues, operations in more than 35 countries and over 15,000 employees. The company’s highly-specialized, engineered products and technologies are concentrated in Flow Technology and energy infrastructure. Many of SPX’s innovative solutions are playing a role in helping to meet rising global demand for electricity and processed foods and beverages, particularly in emerging markets. The company’s products include food processing systems for the food and beverage industry, power transformers for utility companies, and cooling systems for power plants. For more information, please visit www.spx.com.

Direct comparison of a methanol pump

<table>
<thead>
<tr>
<th>Product:</th>
<th>Methanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required flow:</td>
<td>2,500 l/h</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>335 bar</td>
</tr>
</tbody>
</table>

Pump with double-acting diaphragm pump head
2.470 kg - 3.66 m²

Pump with two conventional single-acting diaphragm pump head
3.170 kg - 4.41 m²

Advantages
- Smaller footprint
- Lower weight
- Low maintenance costs

Applicability of liquids
- Alcohols
- Aromatic hydrocarbons
- Chlorinated hydrocarbons
- Hydrocarbons
- LPG
- Methanol
- Naptha
- Raney nickel suspensions
- Sulphuric acid
- Toxins
- Water

Markets served
- Oil & Gas
- Petrochemical industry
- Chemical industry

FLOW RATE TABLE (FOR SINGLE MODULE) 1)

<table>
<thead>
<tr>
<th>Gear size</th>
<th>Max. Operating pressure</th>
<th>H6</th>
<th>H5</th>
<th>H4</th>
<th>B</th>
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</thead>
<tbody>
<tr>
<td>500</td>
<td>400</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2400</td>
</tr>
<tr>
<td>400</td>
<td>300</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2200</td>
</tr>
<tr>
<td>300</td>
<td>260</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2000</td>
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<tr>
<td>260</td>
<td>250</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1950</td>
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<tr>
<td>250</td>
<td>200</td>
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<td>-</td>
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<td>250</td>
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<td>10</td>
<td>10</td>
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<td>-</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11350</td>
</tr>
</tbody>
</table>

1) The table shows an excerpt of all possibilities and serves as an initial guideline. Pumps will be sized for the specific requirements.

- Flow rates at 100% volumetric efficiency. Please allow for transmission losses

- Metering accuracy as good as ±0.5 %

- Different stroke frequencies available
THE PRODUCT RANGE: MORE EXAMPLES OF BRAN+LUEBBE PRODUCTS WITH HIGH QUALITY STANDARD, INNOVATION AND KNOW-HOW.

**NOVADOS**

Metering pumps for universal applications in the low to medium requirement range
- ProCam
- ProCam Smart
- ProCam Hygienic

Process pumps for large flow rates and high operating pressures
- NOVAPLEX
- MEGANIZER
- High pressure homogenizer

Dynamic in-line mixer for gentle but intensive mixing
- PENTAX
- PENTAX Hygienic

Process systems as a complete solution for increased productivity and quality
- AutoBlend
- Metering and mixing systems

Oil & Gas systems to aid oil & gas recovery onshore and offshore
- Solar Panel Packages
- Chemical Injection Systems
- Flow Control Device Panels

On-line analyzers for use in water and effluent treatment
- PowerMon
- PowerMon S
- PowerMon Compact

**Global locations**

**EMEA**

SPX FLOW TECHNOLOGY
Werkstraße 4
D-22844 Norderstedt
Phone: +49 (0) 40 - 522 02 -0
Fax: +49 (0) 40 - 522 02 -444
E-Mail: branluebbe@spx.com

**AMERICAS**

SPX FLOW TECHNOLOGY
Ironstone Way
Brixworth, Northants, NN6 9UD
Phone: +44 (0) 1604 880751
Fax: +44 (0) 1604 880145
E-Mail: ft.brixworth.sales@spx.com

**APAC**

SPX FLOW TECHNOLOGY
25 International Business Park
#03-03/12, German Centre,
Singapore 609916
Phone: +65 6568 1568
Fax: +65 6265 9133
E-Mail: asia.pacific@spx.com

**SPX FLOW TECHNOLOGY NORDERSTEDT GMBH**

Werkstraße 4
D-22844 Norderstedt
Phone: +49 (0) 40 - 522 02 -0
Fax: +49 (0) 40 - 522 02 -444
E-Mail: branluebbe@spx.com

Authorized Bran+Luebbe Representatives
502 N 8th St • La Porte, TX 77571
Off (281) 842-7600 • Fax (281) 842-7601
www.mjsusa.com • sales@mjsusa.com

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