

## Product Feature Matrix Magnetic Flowmeters



| Models                    | 9300A/IMT25  | 9100A or 9200A/IMT25   | 8000A/IMT25  | 2800/IMT96MagEXPERT  | 4700S Flowtube/<br>47 (XMTR) or 48 (XMTR)                            | MAG21C/MAG2RT/<br>MAG2RS  |
|---------------------------|--|--|--|--|--|---|
| Application               | General Purpose flowmeter for Chemical and Process Industry  | Standard Application in the water & wastewater industry and Process Industry | General Purpose Wafer flowmeter for Chemical and Process Industry  | Tough Application Flowmeter slurries, pastes, pulp stock and non-uniform solids                            | Sanitary Flowmeter Used for the Food and beverage and Pharmaceutical | Standard Application in the water & wastewater industry, Process Industry and General Purpose Wafer flowmeter for Chemical and Process Industry |
| Size                      | 1/2"-16" (DN15-DN400)  | 1"-78" (DN25-DN2000)   | 1/16"-6" (DN 1.6-DN150)  | 1/10"-36" (DN2.5-DN900)  | 1/2"-4" (DN10-DN100)   | Wafer Body: 1" – 4"<br>Flanged Body: 3/8" – 8"  |
| Lining Materials          | retained pfa Lined<br>ptfe line<br>polyurethane line   | Neoprene Linatex<br>EPDM<br>Ebonite<br>PTFE                                  | Ceramic retained PFA   | pfa Lined Neoprene<br>ptfe line<br>polyurethane line   | retained pfa Lined<br>Ceramic  | retained pfa Lined<br>Ceramic   |
| Electrode Material        | Hastelloy C and Conical<br>Platinum-Iridium<br>316 ss<br>Conical 316 ss<br>Titanium<br>Tantulum-Tungsten | Hastelloy C<br>Platinum-Iridium<br>316L ss<br>Titanium<br>Tantulum           | Hastelloy C and Conical<br>Platinum-Iridium<br>316L ss<br>Conical 316L ss<br>Titanium<br>Tantulum-Tungsten | Hastelloy C and Conical<br>Platinum-Iridium<br>316L ss<br>Conical 316L ss<br>Titanium<br>Tantulum-Tungsten | Platinum-Iridium<br>Hastelloy C                                      | Hastelloy C-276<br>Platinum-Iridium<br>316L ss<br>Titanium, Tantalum,<br>Nickel<br>Zirconium  |
| Minimum Conductivity      | 5 $\mu$ S  | 5 $\mu$ S  | 5 $\mu$ S  | 2 $\mu$ S  | 5 $\mu$ S  | 10 $\mu$ S  |
| Pressure Flange Type      | ANSI<br>Metric   | ANSI<br>Metric<br>AWWA   | Wafer (flangeless)   | ANSI<br>Metric<br>AWWA   |  | ANSI  |
| Min and Max Flow Rate     | Up to 18,000 U.S GPM   | Up to 500,000 U.S GPM  | Up to 2440 U.S GPM   | Up to 99,000 U.S GPM   | Up to 1100 U.S GPM   | Up to 4900 U.S GPM  |
| Communications            | HART<br>FF<br>FOXC0M   | HART<br>FF<br>FOXC0M   | HART<br>FF<br>FOXC0M   | HART (PENDING)<br>FOXC0M   | HART<br>4-20mA   | HART<br>4-20mA  |
| Configurable LCD Display  | X  | X  | X  | X  | X  | X   |
| Measuring Accuracy (XMTR) | $\pm$ 0.25% of reading (1/2"-6")<br>$\pm$ 0.5% of reading (8-16")  | $\pm$ 0.5% of reading  | $\pm$ 0.25% of reading (1/2 to 6 in)<br>$\pm$ 0.5% of reading (1/16 to 1/4 in)                             | $\pm$ 0.50% of rate (1/2 to 12")<br>$\pm$ 1.0% of rate (14 to 36")   | $\pm$ 0.25% of reading<br>$\pm$ 0.5% of reading                      | $\pm$ 0.5% of rate  |

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|---|--|----------------------------------|--------------------------|-------------------------|---|---|
| Flowtube Enclosure                          | NEMA 4<br>NEMA 4X<br>IP66<br>IP67 OPTIONAL                       | NEMA 4X<br>IP67<br>IP68 OPTIONAL | NEMA 4X<br>IP67 OPTIONAL | NEMA 4X<br>IP65<br>IP66 | NEMA 4X<br>IP67<br>NEMA 6 (Optional)<br>IP68 (Optional) | NEMA 4X<br>IP67<br>NEMA 6 (Optional)<br>IP68 (Optional) |
| Certifications                              | CSA<br>FM  | CSA<br>FM                        | CSA<br>FM                | CSA<br>FM               | UL<br>Ulc   | UL<br>Ulc   |
| Specifications IMT25 HART<br>or FoxCom      | <a href="#">PSS 1-6F5 A</a>                                      |                                  |                          |                         |   |   |
| Specifications IMT25<br>FOUNDATION Fieldbus | <a href="#">PSS 1-6F5 B</a>                                      |                                  |                          |                         |   |   |
| Specification 9300A                         | <a href="#">PSS 1-6F4 A</a>                                      |                                  |                          |                         |   |   |
| Specifications 9100A                        | <a href="#">PSS 1-6F9 A</a>                                      |                                  |                          |                         |   |   |
| Specifications 9200A                        | <a href="#">PSS 1-6F10 A</a>                                     |                                  |                          |                         |   |   |
| Specification 8000A &<br>8300 Sanitary      | <a href="#">PSS 1-6F2 A</a><br><a href="#">PSS 1-6F2 C</a>       |                                  |                          |                         |   |   |
| Specifications IMT96                        | <a href="#">PSS 1-6F8 A</a>                                      |                                  |                          |                         |   |   |
| Specifications 2800                         | <a href="#">PSS 1-6B5 A</a>                                      |                                  |                          |                         |   |   |
| Specifications 2800<br>Sanitary             | <a href="#">PSS 1-6B5 C</a>                                      |                                  |                          |                         |   |   |
| Specification 47 / 48<br>Sanitary           | <a href="#">PSS 1-6G1 A</a>                                      |                                  |                          |                         |   |   |
| Specification 4700S                         | <a href="#">PSS 1-6G2 A</a>                                      |                                  |                          |                         |   |   |
| Specification<br>MAG21C/MAG2RT/<br>MAG2RS   | <a href="#">PSS 1-6G3 A</a>                                      |                                  |                          |                         |   |   |
| Sizing                                      | <a href="http://www.flowexpertpro.com">www.flowexpertpro.com</a> |                                  |                          |                         |   |   |