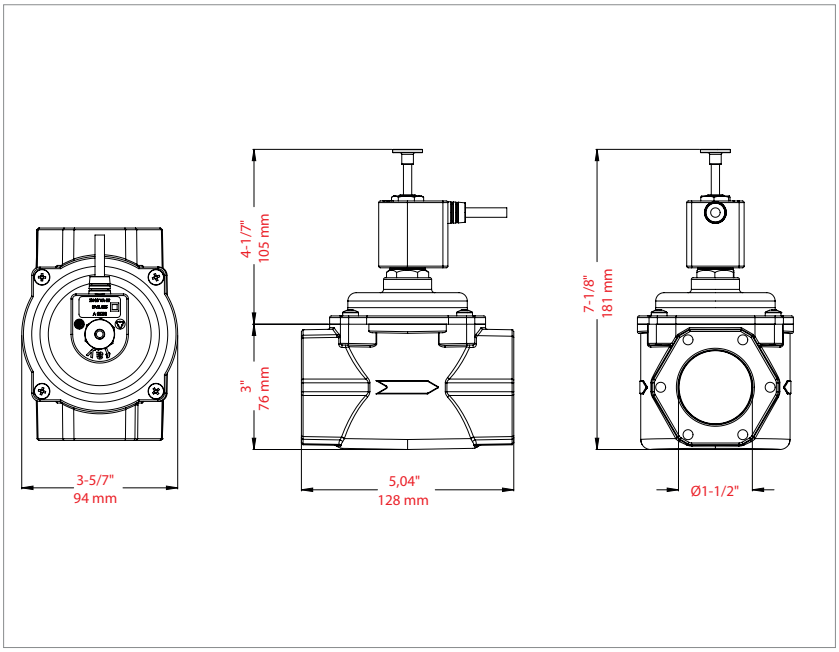
www.faymakine.com

# SLFM 40 NORMALLY OPEN (NO) MANUALLY OPERATING SOLENOID VALVE 1-1/2" Threadad 6 Bar




| MODEL | PIPE SIZE | DN | TEMP. RANCE | MAX. PRESSURE | WEIGHT |
|---|---|---|---|---|---|
| SLFM 40 | 1-1/2" | 40 | -23°C(-10°F ) to +66°C (+150°F) | 6 bar / 87 PSI | 2,721 lb / 1,237 kg |

| Material | Min. Turning Effort | Min. Bending Moment | CV | Eqv Lenght of pipe (ft) |
|---|---|---|---|---|
| Aluminium Alloy / Brass / Stainless Steel | 940 Inc lbf / 106,2 Nm | 75,0 Lb / 34,0 kg | 40 | 2.8 |

## FLOW CAPACITY TABLE IWC/PSIG - Capacity S.C.F.H

| Pressure Drop | | Inlet Pressure (iwc) | | Inlet Pressure (psi) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| psi | iwc | 8" iwc | 14" iwc | 3 | 5 | 7 | 10 | 20 | 60 |
| 0.0036 | 0.1 | 700 | 705 | 760 | 802 | 842 | 898 | 1065 | 1562 |
| 0.0072 | 0.2 | 989 | 996 | 1075 | 1134 | 1190 | 1270 | 1505 | 2209 |
| 0.0108 | 0.3 | 1211 | 1220 | 1317 | 1389 | 1458 | 1555 | 1844 | 2705 |
| 0.0144 | 0.4 | 1399 | 1409 | 1520 | 1604 | 1683 | 1796 | 2129 | 3124 |
| 0.018 | 0.5 | 1564 | 1575 | 1699 | 1793 | 1882 | 2008 | 2380 | 3492 |
| 0.0216 | 0.6 | 1713 | 1725 | 1861 | 1964 | 2061 | 2199 | 2607 | 3826 |
| 0.0252 | 0.7 | 1850 | 1863 | 2010 | 2121 | 2226 | 2375 | 2816 | 4132 |
| 0.0288 | 0.8 | 1977 | 1991 | 2149 | 2267 | 2380 | 2539 | 3010 | 4417 |
| 0.0324 | 0.9 | 2097 | 2112 | 2279 | 2404 | 2524 | 2693 | 3192 | 4685 |
| 0.036 | 1.0 | 2210 | 2226 | 2402 | 2534 | 2660 | 2838 | 3365 | 4938 |
| 0.072 | 2.0 | 3122 | 3144 | 3393 | 3581 | 3759 | 4011 | 4756 | 6982 |
| 0.108 | 3.0 | 3819 | 3846 | 4152 | 4382 | 4600 | 4909 | 5822 | 8549 |
| 0.144 | 4.0 | 4404 | 4436 | 4789 | 5055 | 5307 | 5664 | 6719 | 9869 |
| 0.18 | 5.0 | 4918 | 4954 | 5349 | 5646 | 5928 | 6328 | 7508 | 11032 |

www.faymakine.com

# SLFM 40 NORMALLY OPEN (NO) MANUALLY OPERATING SOLENOID VALVE 1-1/2" Threadad - 6 Bar

## FLOW CAPACITY TABLE IWC/PSIG - Capacity $m^3/h$

| Pressure Drop | | Inlet Pressure (iwc) | | Inlet Pressure (psi) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| psi | iwc | 8" iwc | 14" iwc | 3 | 5 | 7 | 10 | 20 | 60 |
| 0.0036 | 0.1 | 19,60 | 19,74 | 21,28 | 22,46 | 23,58 | 25,14 | 29,82 | 43,74 |
| 0.0072 | 0.2 | 27,69 | 27,89 | 30,10 | 31,75 | 33,32 | 35,56 | 42,14 | 61,85 |
| 0.0108 | 0.3 | 33,91 | 34,16 | 36,88 | 38,89 | 40,82 | 43,54 | 51,63 | 75,74 |
| 0.0144 | 0.4 | 39,17 | 39,45 | 42,56 | 44,91 | 47,12 | 50,29 | 59,61 | 87,47 |
| 0.018 | 0.5 | 43,79 | 44,10 | 47,57 | 50,20 | 52,70 | 56,22 | 66,64 | 97,78 |
| 0.0216 | 0.6 | 47,96 | 48,30 | 52,11 | 54,99 | 57,71 | 61,57 | 73,00 | 107,13 |
| 0.0252 | 0.7 | 51,80 | 52,16 | 56,28 | 59,39 | 62,33 | 66,50 | 78,85 | 115,70 |
| 0.0288 | 0.8 | 55,36 | 55,75 | 60,17 | 63,48 | 66,64 | 71,09 | 84,28 | 123,68 |
| 0.0324 | 0.9 | 58,72 | 59,14 | 63,81 | 67,31 | 70,67 | 75,40 | 89,38 | 131,18 |
| 0.036 | 1.0 | 61,88 | 62,33 | 67,26 | 70,95 | 74,48 | 79,46 | 94,22 | 138,26 |
| 0.072 | 2.0 | 87,42 | 88,03 | 95,00 | 100,27 | 105,25 | 112,31 | 133,17 | 195,50 |
| 0.108 | 3.0 | 106,93 | 107,69 | 116,26 | 122,70 | 128,80 | 137,45 | 163,02 | 239,37 |
| 0.144 | 4.0 | 123,31 | 124,21 | 134,09 | 141,54 | 148,60 | 158,59 | 188,13 | 276,33 |
| 0.18 | 5.0 | 137,70 | 138,71 | 149,77 | 158,09 | 165,98 | 177,18 | 210,22 | 308,90 |

## FLOW CAPACITY TABLE IWC/PSIG - Capacity kW

| Pressure Drop | | Inlet Pressure (iwc) | | Inlet Pressure (psi) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| psi | iwc | 8" iwc | 14" iwc | 3 | 5 | 7 | 10 | 20 | 60 |
| 0.0036 | 0.1 | 206,78 | 208,26 | 224,50 | 236,91 | 248,73 | 265,27 | 314,60 | 461,41 |
| 0.0072 | 0.2 | 292,15 | 294,22 | 317,56 | 334,98 | 351,53 | 375,16 | 444,58 | 652,54 |
| 0.0108 | 0.3 | 357,73 | 360,39 | 389,04 | 410,31 | 430,69 | 459,35 | 544,72 | 799,06 |
| 0.0144 | 0.4 | 413,26 | 416,22 | 449,01 | 473,82 | 497,16 | 530,54 | 628,91 | 922,83 |
| 0.018 | 0.5 | 462,01 | 465,26 | 501,88 | 529,65 | 555,94 | 593,16 | 703,05 | 1031,54 |
| 0.0216 | 0.6 | 506,02 | 509,57 | 549,74 | 580,17 | 608,82 | 649,58 | 770,11 | 1130,20 |
| 0.0252 | 0.7 | 546,49 | 550,33 | 593,75 | 626,54 | 657,56 | 701,58 | 831,85 | 1220,59 |
| 0.0288 | 0.8 | 584,01 | 588,14 | 634,81 | 669,67 | 703,05 | 750,02 | 889,15 | 1304,78 |
| 0.0324 | 0.9 | 619,45 | 623,88 | 673,22 | 710,14 | 745,59 | 795,51 | 942,92 | 1383,95 |
| 0.036 | 1.0 | 652,83 | 657,56 | 709,55 | 748,54 | 785,76 | 838,35 | 994,02 | 1458,69 |
| 0.072 | 2.0 | 922,24 | 928,74 | 1002,29 | 1057,83 | 1110,41 | 1184,85 | 1404,92 | 2062,48 |
| 0.108 | 3.0 | 1128,13 | 1136,11 | 1226,50 | 1294,44 | 1358,84 | 1450,12 | 1719,82 | 2525,37 |
| 0.144 | 4.0 | 1300,94 | 1310,39 | 1414,67 | 1493,25 | 1567,69 | 1673,15 | 1984,79 | 2915,30 |
| 0.18 | 5.0 | 1452,78 | 1463,41 | 1580,09 | 1667,83 | 1751,13 | 1869,29 | 2217,86 | 3258,85 |

| | |
|---|---|
| CERTIFICATES | TUV Austria CE 2737 (Products Approval Standard EN 12266-1 / EN 12516-3) |
| APPLICATION | Gasses : Natural Gas, LPG, methane, propane, air, etc… non corrosive gaseous fluids. |
| INFORMATION | Experiments were carried out with air. Calculations based on gas with a density of 0.64 and a calorific value of 37 MJ/m3. The measured flow value is arranged according to 15 °C and 101.3 kPa pressure. |