



Precision foam every time

## 2000/3000 Series Calibration Chart

| DISCHARGE OF SMOOTH NOZZLE - GALLONS PER MINUTE |     |     |     |       |       |       |      |       |                 |
|---|-----|-----|-----|-------|-------|-------|------|-------|-----------------|
| Nozzle Pressure                                 | 1/2 | 3/4 | 1   | 1-1/4 | 1-1/2 | 1-3/4 | 2    | 2-1/4 | Nozzle Pressure |
| 6   | 18  | 41  | 72  | 113   | 163   | 223   | 292  | 369   | 6               |
| 8   | 21  | 47  | 84  | 131   | 188   | 257   | 336  | 427   | 8               |
| 10  | 23  | 53  | 93  | 146   | 211   | 288   | 376  | 477   | 10              |
| 12  | 25  | 58  | 102 | 160   | 231   | 315   | 412  | 522   | 12              |
| 14  | 27  | 63  | 110 | 173   | 249   | 340   | 445  | 564   | 14              |
| 16  | 29  | 67  | 118 | 185   | 267   | 364   | 475  | 603   | 16              |
| 18  | 31  | 71  | 125 | 196   | 283   | 386   | 504  | 640   | 18              |
| 20  | 33  | 75  | 132 | 206   | 298   | 407   | 532  | 674   | 20              |
| 22  | 35  | 78  | 139 | 216   | 313   | 427   | 557  | 707   | 22              |
| 24  | 36  | 81  | 145 | 226   | 327   | 446   | 582  | 739   | 24              |
| 26  | 38  | 85  | 151 | 235   | 340   | 464   | 606  | 769   | 26              |
| 28  | 39  | 88  | 157 | 244   | 353   | 481   | 629  | 799   | 28              |
| 30  | 40  | 91  | 162 | 253   | 365   | 498   | 651  | 826   | 30              |
| 32  | 42  | 94  | 167 | 261   | 377   | 514   | 673  | 854   | 32              |
| 34  | 43  | 97  | 172 | 269   | 389   | 530   | 693  | 880   | 34              |
| 36  | 44  | 100 | 177 | 277   | 400   | 546   | 713  | 905   | 36              |
| 38  | 45  | 102 | 182 | 285   | 411   | 561   | 733  | 930   | 38              |
| 40  | 47  | 105 | 187 | 292   | 422   | 575   | 752  | 954   | 40              |
| 42  | 48  | 108 | 192 | 299   | 432   | 589   | 770  | 978   | 42              |
| 44  | 49  | 110 | 196 | 306   | 442   | 603   | 788  | 1000  | 44              |
| 46  | 50  | 113 | 200 | 313   | 452   | 617   | 806  | 1021  | 46              |
| 48  | 51  | 115 | 205 | 320   | 462   | 630   | 824  | 1043  | 48              |
| 50  | 52  | 118 | 209 | 326   | 472   | 643   | 841  | 1065  | 50              |
| 52  | 53  | 120 | 213 | 333   | 481   | 655   | 857  | 1087  | 52              |
| 54  | 54  | 122 | 217 | 339   | 490   | 668   | 873  | 1108  | 54              |
| 56  | 55  | 124 | 221 | 345   | 499   | 680   | 889  | 1129  | 56              |
| 58  | 56  | 127 | 225 | 351   | 508   | 692   | 905  | 1149  | 58              |
| 60  | 57  | 129 | 229 | 357   | 517   | 704   | 920  | 1168  | 60              |
| 62  | 58  | 131 | 233 | 363   | 525   | 716   | 936  | 1187  | 62              |
| 64  | 59  | 133 | 237 | 369   | 533   | 727   | 951  | 1206  | 64              |
| 66  | 60  | 135 | 240 | 375   | 542   | 738   | 965  | 1224  | 66              |
| 68  | 61  | 137 | 244 | 381   | 550   | 750   | 980  | 1242  | 68              |
| 70  | 61  | 139 | 247 | 386   | 558   | 761   | 994  | 1260  | 70              |
| 72  | 62  | 141 | 251 | 391   | 566   | 771   | 1008 | 1278  | 72              |
| 74  | 63  | 143 | 254 | 397   | 574   | 782   | 1023 | 1296  | 74              |
| 76  | 64  | 145 | 258 | 402   | 582   | 792   | 1036 | 1313  | 76              |
| 78  | 65  | 147 | 261 | 407   | 589   | 803   | 1050 | 1330  | 78              |
| 80  | 66  | 149 | 264 | 413   | 596   | 813   | 1063 | 1347  | 80              |
| 82  | 67  | 151 | 268 | 418   | 604   | 823   | 1076 | 1364  | 82              |
| 84  | 67  | 152 | 271 | 423   | 611   | 833   | 1089 | 1380  | 84              |
| 86  | 68  | 154 | 274 | 428   | 618   | 843   | 1102 | 1396  | 86              |
| 88  | 69  | 156 | 277 | 433   | 626   | 853   | 1115 | 1413  | 88              |
| 90  | 70  | 158 | 280 | 438   | 633   | 862   | 1128 | 1429  | 90              |
| 92  | 70  | 160 | 283 | 443   | 640   | 872   | 1140 | 1445  | 92              |
| 94  | 71  | 161 | 286 | 447   | 647   | 881   | 1152 | 1460  | 94              |
| 96  | 72  | 163 | 289 | 452   | 654   | 890   | 1164 | 1476  | 96              |
| 98  | 73  | 165 | 292 | 456   | 660   | 900   | 1176 | 1491  | 98              |
| 100   | 74  | 166 | 295 | 461   | 667   | 909   | 1189 | 1506  | 100             |
| 105   | 76  | 170 | 303 | 473   | 683   | 932   | 1218 | 1542  | 105             |
| 110   | 77  | 174 | 310 | 484   | 699   | 954   | 1247 | 1579  | 110             |
| 115   | 79  | 178 | 317 | 495   | 715   | 975   | 1275 | 1615  | 115             |
| 120   | 81  | 182 | 324 | 505   | 730   | 996   | 1303 | 1649  | 120             |

# CALIBRATION AND SETUP INSTRUCTIONS

## CALIBRATION AND SETUP MODE

Enter the Calibration and Setup mode by using the Digital Display Control Head function buttons. To enter or exit the calibration mode, remove the cover screw and O-ring to the left of the display. Use a 3/32 inch Allen wrench to remove and to operate the switch that is located beneath it. To enter the mode, simply insert the long end of the Allen wrench into the hole and gently depress and release the switch. The display will flash ELEC/SETUP until any function button is pressed. To exit the mode, simply reinsert the Allen wrench into the hole and depress and release the switch. The display will return to HYPRO.

## FLOWMETER CALIBRATION

Using a suitable size smooth bore nozzle and an accurate Pilot Gauge instrument, connect to a hose which is connected to a discharge fed by a FoamPro flowmeter. Enter Calibration/Setup mode, press the SELECT button. The current water flow rate will be displayed. Measure the psi of the water flow and find the correct gpm from the chart. Press the ↓ or ↑ button to set the reading to match the actual flow. To lock the setting, exit the Calibration/ Setup mode.

## SIMULATED FLOW

Enter the Calibration/Setup mode, then press the SELECT button until the light under FLOW is illuminated. Pressing both the ↓ and ↑ simultaneously will display the default setting. Adjust the setting by pressing the ↓ or ↑ buttons to set the desired rate i.e., "=100". After the flow rate has been set, press the ↓ and ↑ simultaneously again to return to Setup mode. Exit Calibration/ Setup mode.

## SETUP FOR DUAL-TANK MODE OR REMOTE START/STOP MODE

Remove both Calibration/Setup and Diagnostic screws. Enter the Calibration/Setup mode, then enter Diagnostic mode. The display will flash "DUAL.T CONF" or "RSTART CONF". If you want DUAL-TANK option, press the ↓ button once. For REMOTE START/STOP option, press the ↑ button once. In Dual Tank Mode, the control head will read PA / Pb. In Remote Start/Stop, it will read PC. Pressing the left internal button puts you back to operational mode. Replace screws.

## FOAM CONCENTRATE %

The default concentrate injection rate (%) can be adjusted. Enter the Calibration/Setup mode. Use the SELECT button to illuminate the light below "%". With a single foam tank, the display will show the current default % as "PA x.x". Press the ↓ or ↑ buttons to set the desired "%" used most frequently. If using a FoamPro Dual Tank selector, select tank "B". The display will show "Pb x.x". Press the ↓ or ↑ buttons to set the desired "%" depending on which type of foam is used. For single tank in REMOTE START/STOP option, the display will show the current default % as "PC x.x". Exit Calibration/Setup mode.

## FOAM PUMP CALIBRATION

When using a FoamPro dual tank system, each foam concentrate should be calibrated individually because of differences in foam viscosity. First select "PA" or "PB". To calibrate, enter Calibration/Setup mode. Press the SELECT button to illuminate the light below TOTAL FOAM. Turn the CAL/INJECT valve on the discharge side of the concentrate pump to CAL/FLUSH position. Place a graduated measuring container (measured in ounces) beneath the outlet from the CAL/INJECT valve to hold about 1 gallon of concentrate. Start the FoamPro pump by pressing the red FOAM button. The foam pump will operate and pump the foam concentrate into the container. When the desired amount of foam concentrate has been pumped, stop the foam pump by pressing the red FOAM button. Turn the CAL/INJECT valve back to the INJECT position. Precisely measure, by the ounce, the amount of foam concentrate collected. Then divide the number of ounces by 128 giving you the volume of foam concentrate to 1/100 of a gallon, i.e., 82 oz. / 128 = .64. Adjust the reading by pressing the ↓ or ↑ button. If the unit has Dual Tank Option, select tank "B". Flow off about one gallon and repeat the procedure. (DO NOT PUT CONCENTRATE BACK IN TANK.) Exit the Calibration/Setup mode.

## SYSTEM RESET

If the control head errors or locks up, it may be necessary to return to factory default settings. Enter Calibration/ Setup mode. Immediately, before pressing any other buttons, depress the ↓ and ↑ simultaneously. The system will return to Remote Start/Stop Mode (PC) and will require recalibration.

**1 gallon = 3.785 liters or 0.833 Imp. Gal.**

**FOAMPRO®**



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