

## GRUNDFOS ENGINEERED SYSTEMS – VL PACKAGE

*(Close Coupled Vertical Inline Pumps)***BASE PACKAGE INCLUDES:**

- PACO VL PUMPS
- SUCTION DIFFUSER WITH BUTTERFLY ISOLATION VALVE ON SUCTION SIDE
- CHECK VALVE WITH BUTTERFLY ISOLATION VALVE ON DISCHARGE SIDE
- FABRICATED CARBON STEEL SCH 40 BRANCHES AND HEADERS
- FABRICATED STRUCTURAL STEEL SKID BASE
- INTEGRATED CONTROL & POWER PANEL WITH VFD'S

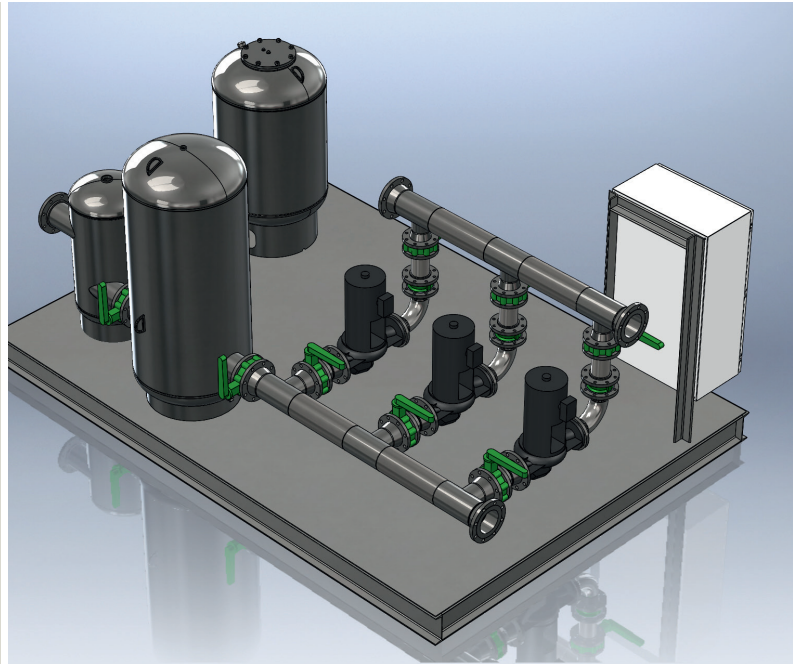
**BASE + ACCESSORY PACKAGE INCLUDES  
ALL THINGS LISTED IN THE BASE PACKAGE PLUS:**

- AIR SEPARATOR
- EXPANSION TANK
- CHEMICAL POT FEEDER

**BASE + ACCESSORY + BUFFER TANK PACKAGE INCLUDES  
ALL THINGS LISTED IN THE BASE + ACCESSORY PACKAGE PLUS:**

- BUFFER TANK WITH BUTTERFLY ISOLATION VALVE ON INLET AND OUTLET OF BUFFER TANK

\*Other options available on request

**DUPLEX**

| SYSTEM FLOW<br>USGPM     | SYSTEM<br>HEAD<br>FT     | CASING<br>SIZE | MAX<br>MOTOR<br>HP | 208V<br>MAX<br>FLA | 460V<br>MAX<br>FLA | BASE PACKAGE |             |              |                | BASE+ACCESSORY PACKAGE |             |              |                |                                         | BASE+ACCESSORY+BUFFER TANK PACKAGE |             |              |               |                                   | HEADER<br>SIZE<br>NPS |
|--------------------------|--------------------------|----------------|--------------------|--------------------|--------------------|--------------|-------------|--------------|----------------|------------------------|-------------|--------------|----------------|-----------------------------------------|------------------------------------|-------------|--------------|---------------|-----------------------------------|-----------------------|
|                          |                          |                |                    |                    |                    | LENGTH<br>IN | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS  | LENGTH<br>IN           | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>IN   | EXPANSION<br>TANK<br>CAPACITY<br>US GAL | LENGTH<br>IN                       | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS | BUFFER<br>TANK CAPACITY<br>US GAL |                       |
| 100<br>50 (1+1 SPARE)    | 50-90<br>90-200          | 20951<br>12707 | 5<br>10            | 16.7<br>30.8       | 7.6<br>14          | 48<br>42     | 73<br>73    | 66<br>66     | 2100<br>2300   | 65<br>62               | 73<br>73    | 68<br>68     | 2300<br>2500   | 35<br>35                                | 101<br>95                          | 85<br>85    | 80<br>80     | 2800<br>3000  | 120<br>120                        | 2                     |
| 250<br>125 (1+1 SPARE)   | 90-200<br>95-195         | 20959<br>15709 | 7.5<br>15          | 24.2<br>46.2       | 11<br>21           | 51<br>45     | 83<br>79    | 66<br>66     | 2500<br>2800   | 73<br>67               | 83<br>79    | 68<br>68     | 2800<br>3100   | 35<br>35                                | 113<br>107                         | 95<br>91    | 80<br>80     | 3300<br>3600  | 120<br>120                        | 4                     |
| 500<br>250 (1+1 SPARE)   | 195-200<br>50-90         | 20951<br>30957 | 20<br>10           | 59.4<br>30.8       | 27<br>14           | 51<br>54     | 83<br>84    | 66<br>66     | 2900<br>2800   | 73<br>75               | 83<br>84    | 68<br>84     | 3200<br>3500   | 35<br>211                               | 113<br>128                         | 95<br>102   | 80<br>92     | 3400<br>4400  | 120<br>300                        | 5                     |
| 750<br>375 (1+1 SPARE)   | 90-200<br>50-80          | 25709<br>40957 | 25<br>15           | 74.8<br>46.2       | 34<br>21           | 54<br>61     | 87<br>88    | 66<br>66     | 3600<br>3300   | 75<br>89               | 87<br>88    | 84<br>73     | 4300<br>3900   | 211<br>158                              | 128<br>141                         | 105<br>106  | 92<br>92     | 5200<br>4800  | 300<br>300                        | 6                     |
| 1000<br>500 (1+1 SPARE)  | 185-200<br>80-185        | 25953<br>30707 | 40<br>30           | 114<br>88          | 52<br>40           | 55<br>55     | 92<br>92    | 78<br>78     | 4300<br>3800   | 84<br>83               | 92<br>89    | 80<br>73     | 4900<br>4400   | 158<br>158                              | 135<br>135                         | 110<br>107  | 92<br>92     | 5800<br>5300  | 300<br>300                        | 8                     |
| 1250<br>625 (1+1 SPARE)  | 185-200<br>50-135        | 25953<br>5012A | 40<br>40           | 114<br>114         | 52<br>52           | 55<br>65     | 102<br>101  | 78<br>78     | 5100<br>5100   | 93<br>87               | 102<br>101  | 80<br>80     | 5800<br>5800   | 158<br>158                              | 146<br>140                         | 120<br>119  | 92<br>92     | 6700<br>6700  | 300<br>300                        | 10                    |
| 1500<br>750 (1+1 SPARE)  | 185-200<br>50-130        | 30957<br>5012A | 40<br>40           | 114<br>114         | 52<br>52           | 59<br>65     | 102<br>116  | 78<br>78     | 5100<br>5100   | 87<br>93               | 102<br>116  | 80<br>83     | 5800<br>6000   | 158<br>264                              | 140<br>152                         | 120<br>137  | 92<br>110    | 6700<br>7400  | 300<br>500                        | 12                    |
| 2000<br>1000 (1+1 SPARE) | 130-170<br>170-200       | 40707<br>40957 | 40<br>50           | 114<br>143         | 52<br>65           | 59<br>65     | 105<br>110  | 78<br>78     | 5100<br>5200   | 90<br>93               | 105<br>110  | 83<br>83     | 6000<br>6100   | 264<br>264                              | 146<br>152                         | 126<br>131  | 110<br>110   | 7400<br>7500  | 500<br>500                        | 14                    |
| 2500<br>1250 (1+1 SPARE) | 50-120<br>120-160        | 5012A<br>50129 | 40<br>60           | 114<br>169         | 52<br>77           | 65<br>66     | 116<br>116  | 78<br>78     | 5100<br>6000   | 93<br>102              | 116<br>116  | 107<br>107   | 6100<br>7000   | 370<br>370                              | 152<br>152                         | 137<br>137  | 110<br>110   | 6900<br>8400  | 500<br>500                        | 16                    |
| 3000<br>1500 (1+1 SPARE) | 160-200<br>50-70         | 40957<br>60957 | 60<br>30           | 169<br>88          | 77<br>40           | 66<br>68     | 110<br>124  | 78<br>66     | 6000<br>5300   | 102<br>109             | 110<br>124  | 107<br>107   | 7000<br>6600   | 370<br>370                              | 152<br>168                         | 131<br>145  | 110<br>110   | 8400<br>8000  | 500<br>500                        |                       |
| 3500<br>1750 (1+1 SPARE) | 70-140<br>140-200        | 60125<br>50157 | 60<br>100          | 169<br>273         | 77<br>124          | 68<br>78     | 126<br>142  | 78<br>90     | 6800<br>8100   | 109<br>115             | 126<br>142  | 107<br>107   | 8100<br>9400   | 370<br>370                              | 168<br>174                         | 147<br>163  | 110<br>110   | 9500<br>10800 | 500<br>500                        |                       |
| 4000<br>2000 (1+1 SPARE) | 50-80<br>80-140          | 80951<br>80123 | 40<br>100          | 114<br>273         | 52<br>124          | 72<br>78     | 124<br>132  | 78<br>90     | 6800<br>9100   | 113<br>119             | 124<br>132  | 107<br>107   | 8200<br>10500  | 370<br>370                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
| 4500<br>2250 (1+1 SPARE) | 140-200<br>50-75         | 60157<br>80951 | 125<br>40          | 343<br>114         | 156<br>52          | 78<br>72     | 145<br>124  | 90<br>78     | 10800<br>6800  | 119<br>113             | 145<br>124  | 107<br>95    | 12200<br>8700  | 370<br>528                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
| 5000<br>2500 (1+1 SPARE) | 75-135<br>135-200        | 80123<br>60157 | 100<br>125         | 273<br>343         | 124<br>156         | 78<br>78     | 132<br>145  | 90<br>90     | 7800<br>10800  | 126<br>126             | 132<br>145  | 95<br>95     | 9700<br>12700  | 528<br>528                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
|                          | 50-65<br>65-130          | 80951<br>80123 | 40<br>100          | 114<br>273         | 52<br>124          | 72<br>78     | 144<br>152  | 78<br>90     | 6800<br>7800   | 113<br>126             | 144<br>152  | 130<br>130   | 9500<br>10500  | 792<br>792                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
|                          | 130-160<br>160-200       | 80157<br>60157 | 125<br>125         | 343<br>343         | 156<br>156         | 78<br>78     | 158<br>153  | 90<br>90     | 10800<br>10800 | 126<br>126             | 158<br>153  | 130<br>130   | 13500<br>13500 | 792<br>792                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
|                          | 70-130<br>130-155        | 10123<br>80157 | 125<br>125         | 343<br>343         | 156<br>156         | 81<br>81     | 148<br>160  | 90<br>90     | 11800<br>11800 | 127<br>127             | 148<br>160  | 110<br>110   | 14400<br>14400 | 660<br>660                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
|                          | 4500<br>2250 (1+1 SPARE) | 10123<br>80157 | 125<br>125         | 343<br>343         | 156<br>156         | 83<br>83     | 150<br>162  | 90<br>90     | 12800<br>12800 | 143<br>143             | 150<br>162  | 130<br>130   | 16900<br>16900 | 792<br>792                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |
|                          | 5000<br>2500 (1+1 SPARE) | 10123<br>80157 | 125<br>125         | 343<br>343         | 156<br>156         | 83<br>83     | 150<br>162  | 90<br>90     | 12800<br>12800 | 143<br>143             | 150<br>162  | 130<br>130   | 16900<br>16900 | 792<br>792                              | —<br>—                             | —<br>—      | —<br>—       | —<br>—        | —<br>—                            |                       |

\* All Dimensions and Weights are Estimates and For Reference Only. Contact Grundfos Commercial Systems Sales for Additional Information.

# GRUNDFOS ENGINEERED SYSTEMS – VL PACKAGE

(Close Coupled Vertical Inline Pumps)

| TRIPLEX                  |                      |                |                    |                    |                    |              |             |              |               |                        |             |              |              |                                         |                                    |             |              |               |                                   |                       |
|--------------------------|----------------------|----------------|--------------------|--------------------|--------------------|--------------|-------------|--------------|---------------|------------------------|-------------|--------------|--------------|-----------------------------------------|------------------------------------|-------------|--------------|---------------|-----------------------------------|-----------------------|
| SYSTEM FLOW<br>USGPM     | SYSTEM<br>HEAD<br>FT | CASING<br>SIZE | MAX<br>MOTOR<br>HP | 208V<br>MAX<br>FLA | 460V<br>MAX<br>FLA | BASE PACKAGE |             |              |               | BASE+ACCESSORY PACKAGE |             |              |              |                                         | BASE+ACCESSORY+BUFFER TANK PACKAGE |             |              |               |                                   | HEADER<br>SIZE<br>NPS |
|                          |                      |                |                    |                    |                    | LENGTH<br>IN | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS | LENGTH<br>IN           | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>IN | EXPANSION<br>TANK<br>CAPACITY<br>US GAL | LENGTH<br>IN                       | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS | BUFFER<br>TANK CAPACITY<br>US GAL |                       |
| 250                      | 50-85                | 20955          | 5                  | 16.7               | 7.6                | 81           | 73          | 66           | 4000          | 103                    | 73          | 68           | 4300         | 35                                      | 143                                | 85          | 80           | 4800          | 120                               | 4                     |
| 166 (2+1 SPARE)          | 85-200               | 12707          | 15                 | 46.2               | 21                 | 69           | 79          | 78           | 4600          | 91                     | 79          | 80           | 4900         | 35                                      | 131                                | 91          | 80           | 5400          | 120                               |                       |
| 500                      | 50-80                | 25953          | 7.5                | 24.2               | 11                 | 84           | 85          | 66           | 4900          | 105                    | 85          | 84           | 5600         | 211                                     | 158                                | 103         | 92           | 6500          | 300                               | 5                     |
| 333 (2+1 SPARE)          | 80-200               | 20705          | 15                 | 46.2               | 21                 | 72           | 84          | 78           | 5300          | 93                     | 84          | 84           | 6000         | 211                                     | 146                                | 102         | 92           | 6900          | 300                               |                       |
| 750                      | 50-90                | 30957          | 10                 | 30.8               | 14                 | 85           | 92          | 66           | 5100          | 113                    | 92          | 73           | 5700         | 158                                     | 165                                | 110         | 92           | 6600          | 300                               | 6                     |
| 500 (2+1 SPARE)          | 90-200               | 25709          | 25                 | 74.8               | 34                 | 85           | 90          | 78           | 5900          | 113                    | 90          | 80           | 6500         | 158                                     | 165                                | 108         | 92           | 7400          | 300                               |                       |
| 1000<br>666 (2+1 SPARE)  | 50-85                | 40957          | 15                 | 46.2               | 21                 | 101          | 93          | 78           | 6800          | 129                    | 93          | 80           | 7500         | 158                                     | 182                                | 111         | 92           | 8400          | 300                               | 8                     |
|                          | 85-115               | 30123          | 20                 | 59.4               | 27                 | 89           | 101         | 78           | 6900          | 117                    | 101         | 80           | 7600         | 158                                     | 170                                | 119         | 92           | 8500          | 300                               |                       |
|                          | 115-195              | 20707          | 30                 | 88                 | 40                 | 89           | 94          | 78           | 7300          | 117                    | 94          | 80           | 8000         | 158                                     | 170                                | 112         | 92           | 8900          | 300                               |                       |
|                          | 195-200              | 25953          | 30                 | 88                 | 40                 | 89           | 95          | 78           | 7300          | 117                    | 95          | 80           | 8000         | 158                                     | 170                                | 113         | 92           | 8900          | 300                               |                       |
| 1250<br>833 (2+1 SPARE)  | 50-80                | 40957          | 15                 | 46.2               | 21                 | 101          | 106         | 78           | 6800          | 129                    | 106         | 95           | 7700         | 264                                     | 188                                | 127         | 110          | 9100          | 500                               | 8                     |
|                          | 80-135               | 40127          | 30                 | 88                 | 40                 | 101          | 107         | 78           | 7300          | 129                    | 107         | 95           | 8200         | 264                                     | 188                                | 128         | 110          | 9600          | 500                               |                       |
|                          | 135-170              | 30707          | 25                 | 74.8               | 34                 | 89           | 99          | 78           | 7700          | 117                    | 99          | 95           | 8600         | 264                                     | 176                                | 120         | 110          | 10000         | 500                               |                       |
|                          | 170-200              | 30957          | 40                 | 114                | 52                 | 89           | 102         | 78           | 7800          | 117                    | 102         | 95           | 8700         | 264                                     | 176                                | 123         | 110          | 10100         | 500                               |                       |
| 1500<br>1000 (2+1 SPARE) | 50-135               | 5012A          | 40                 | 114                | 52                 | 101          | 102         | 78           | 7800          | 129                    | 102         | 107          | 8800         | 370                                     | 188                                | 123         | 110          | 10200         | 500                               | 10                    |
|                          | 135-185              | 40707          | 40                 | 114                | 52                 | 89           | 101         | 78           | 7800          | 117                    | 101         | 107          | 8800         | 370                                     | 176                                | 122         | 110          | 10200         | 500                               |                       |
|                          | 185-200              | 30957          | 40                 | 114                | 52                 | 89           | 102         | 78           | 7800          | 117                    | 102         | 107          | 8800         | 370                                     | 176                                | 123         | 110          | 10200         | 500                               |                       |
|                          | 50-70                | 50957          | 20                 | 59.4               | 27                 | 104          | 115         | 78           | 8300          | 145                    | 115         | 107          | 9600         | 370                                     | 204                                | 136         | 110          | 11000         | 500                               |                       |
| 2000<br>1333 (2+1 SPARE) | 70-130               | 5012A          | 40                 | 114                | 52                 | 104          | 119         | 78           | 9200          | 145                    | 119         | 107          | 10500        | 370                                     | 204                                | 140         | 110          | 11900         | 500                               | 10                    |
|                          | 130-170              | 40157          | 50                 | 143                | 65                 | 104          | 122         | 78           | 9300          | 145                    | 122         | 107          | 10600        | 370                                     | 204                                | 143         | 110          | 12000         | 500                               |                       |
|                          | 170-200              | 40957          | 50                 | 143                | 65                 | 104          | 112         | 78           | 9300          | 145                    | 112         | 107          | 10600        | 370                                     | 204                                | 133         | 110          | 12000         | 500                               |                       |
|                          | 50-155               | 50129          | 60                 | 169                | 77                 | 108          | 128         | 78           | 12600         | 149                    | 128         | 107          | 14000        | 370                                     | —                                  | —           | —            | —             | —                                 |                       |
| 2500<br>1666 (2+1 SPARE) | 155-200              | 50157          | 75                 | 211                | 96                 | 120          | 138         | 78           | 12700         | 161                    | 138         | 107          | 14100        | 370                                     | —                                  | —           | —            | —             | —                                 | 12                    |
|                          | 50-70                | 60957          | 30                 | 88                 | 40                 | 108          | 129         | 78           | 11200         | 149                    | 129         | 95           | 13100        | 528                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 70-140               | 60125          | 60                 | 169                | 77                 | 108          | 135         | 78           | 12600         | 149                    | 135         | 95           | 14500        | 528                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 140-200              | 50157          | 100                | 273                | 124                | 120          | 145         | 108          | 14000         | 161                    | 145         | 110          | 15900        | 528                                     | —                                  | —           | —            | —             | —                                 |                       |
| 3500<br>2333 (2+1 SPARE) | 50-65                | 60957          | 30                 | 88                 | 40                 | 108          | 129         | 78           | 11200         | 149                    | 129         | 130          | 13900        | 792                                     | —                                  | —           | —            | —             | —                                 | 12                    |
|                          | 65-130               | 60125          | 60                 | 169                | 77                 | 108          | 135         | 78           | 12600         | 149                    | 135         | 130          | 15300        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 130-200              | 50959          | 100                | 273                | 124                | 108          | 131         | 108          | 14000         | 149                    | 131         | 130          | 16700        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 50-80                | 80951          | 40                 | 114                | 52                 | 111          | 126         | 78           | 14000         | 157                    | 126         | 110          | 16600        | 660                                     | —                                  | —           | —            | —             | —                                 |                       |
| 4000<br>2666 (2+1 SPARE) | 80-140               | 80123          | 100                | 273                | 124                | 123          | 134         | 108          | 15700         | 169                    | 134         | 110          | 18300        | 660                                     | —                                  | —           | —            | —             | —                                 | 14                    |
|                          | 140-200              | 60157          | 125                | 343                | 156                | 123          | 147         | 108          | 17400         | 171                    | 147         | 110          | 20000        | 660                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 50-75                | 80951          | 40                 | 114                | 52                 | 113          | 128         | 78           | 16100         | 173                    | 128         | 130          | 20200        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 75-135               | 80123          | 100                | 273                | 124                | 125          | 136         | 108          | 17800         | 185                    | 136         | 130          | 21900        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
| 4500<br>3000 (2+1 SPARE) | 135-200              | 60157          | 125                | 343                | 156                | 125          | 149         | 108          | 19500         | 185                    | 149         | 130          | 23600        | 792                                     | —                                  | —           | —            | —             | —                                 | 16                    |
|                          | 50-70                | 80951          | 40                 | 114                | 52                 | 113          | 148         | 78           | 16100         | 173                    | 148         | 130          | 20200        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 70-130               | 80123          | 100                | 273                | 124                | 125          | 156         | 108          | 17800         | 185                    | 156         | 130          | 21900        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                          | 130-160              | 80157          | 125                | 343                | 156                | 125          | 162         | 108          | 19500         | 185                    | 162         | 130          | 23600        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
| 5000<br>3333 (2+1 SPARE) | 160-200              | 60157          | 125                | 343                | 156                | 125          | 157         | 108          | 19500         | 185                    | 157         | 130          | 23600        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |

| QUADPLEX             |                      |                |                    |                    |                    |              |             |              |               |                        |             |              |              |                                         |                                    |             |              |               |                                   |                       |
|----------------------|----------------------|----------------|--------------------|--------------------|--------------------|--------------|-------------|--------------|---------------|------------------------|-------------|--------------|--------------|-----------------------------------------|------------------------------------|-------------|--------------|---------------|-----------------------------------|-----------------------|
| SYSTEM FLOW<br>USGPM | SYSTEM<br>HEAD<br>FT | CASING<br>SIZE | MAX<br>MOTOR<br>HP | 208V<br>MAX<br>FLA | 460V<br>MAX<br>FLA | BASE PACKAGE |             |              |               | BASE+ACCESSORY PACKAGE |             |              |              |                                         | BASE+ACCESSORY+BUFFER TANK PACKAGE |             |              |               |                                   | HEADER<br>SIZE<br>NPS |
|                      |                      |                |                    |                    |                    | LENGTH<br>IN | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS | LENGTH<br>IN           | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>IN | EXPANSION<br>TANK<br>CAPACITY<br>US GAL | LENGTH<br>IN                       | WIDTH<br>IN | HEIGHT<br>IN | WEIGHT<br>LBS | BUFFER<br>TANK CAPACITY<br>US GAL |                       |
| 250                  | 50-90                | 20955          | 5                  | 16.7               |                    | 111          | 73          | 66           | 5700          | 133                    | 73          | 68           | 6000         | 35                                      | 173                                | 85          | 80           | 6500          | 120                               | 4                     |
| 187 (3+1 SPARE)      | 90-200               | 12707          | 10                 | 30.8               |                    | 93           | 76          | 78           | 6000          | 115                    | 76          | 80           | 6300         | 35                                      | 155                                | 88          | 80           | 6800          | 120                               |                       |
| 500                  | 50-95                | 20959          | 7.5                | 24.2               |                    | 114          | 86          | 78           | 7300          | 135                    | 86          | 84           | 8000         | 211                                     | 188                                | 104         | 92           | 8900          | 300                               | 5                     |
| 375 (3+1 SPARE)      | 95-195               | 15709          | 15                 | 46.2               |                    | 96           | 82          | 78           | 7700          | 117                    | 82          | 84           | 8400         | 211                                     | 170                                | 100         | 92           | 9300          | 300                               |                       |
|                      | 195-200              | 20951          | 20                 | 59.4               |                    | 114          | 86          | 78           | 8100          | 135                    | 86          | 84           | 8800         | 211                                     | 188                                | 104         | 92           | 9700          | 300                               | 6                     |
|                      | 50-75                | 25953          | 7.5                | 24.2               |                    | 115          | 88          | 78           | 7800          | 143                    | 88          | 80           | 8400         | 158                                     | 195                                | 106         | 92           | 9300          | 300                               |                       |
| 750                  | 75-135               | 25121          | 15                 | 46.2               |                    | 115          | 92          | 78           | 8200          | 143                    | 92          | 80           | 8800         | 158                                     | 195                                | 110         | 92           | 9700          | 300                               | 8                     |
| 562 (3+1 SPARE)      | 135-190              | 20705          | 15                 | 46.2               |                    | 97           | 85          | 78           | 8200          | 125                    | 85          | 80           | 8800         | 158                                     | 177                                | 103         | 92           | 9700          | 300                               |                       |
|                      | 190-200              | 20959          | 25                 | 74.8               |                    | 115          | 93          | 78           | 9200          | 143                    | 93          | 80           | 9800         | 158                                     | 195                                | 111         | 92           | 10700         | 300                               | 10                    |
| 1000                 | 50-90                | 30957          | 10                 | 30.8               |                    | 119          | 97          | 78           | 10100         | 147                    | 97          | 80           | 10800        | 158                                     | 200                                | 115         | 92           | 11700         | 300                               |                       |
| 750 (3+1 SPARE)      | 90-200               | 25709          | 25                 | 74.8               |                    | 119          | 99          | 78           | 11100         | 147                    | 99          | 80           | 11800        | 158                                     | 200                                | 117         | 92           | 12700         | 300                               | 12                    |
|                      | 50-85                | 40957          | 15                 | 46.2               |                    | 137          | 93          | 78           | 10400         | 165                    | 93          | 83           | 11300        | 264                                     | 224                                | 114         | 110          | 12700         | 500                               |                       |
| 1250                 | 85-120               | 30123          | 20                 | 59.4               |                    | 119          | 101         | 78           | 10800         | 147                    | 101         | 83           | 11700        | 264                                     | 206                                | 122         | 110          | 13100         | 500                               | 14                    |
| 937 (3+1 SPARE)      | 120-200              | 30707          | 30                 | 88                 |                    | 119          | 100         | 78           | 11100         | 147                    | 100         | 83           | 12000        | 264                                     | 206                                | 121         | 110          | 13400         | 500                               |                       |
|                      | 50-80                | 40957          | 15                 | 46.2               |                    | 137          | 93          | 78           | 10400         | 165                    | 93          | 107          | 11400        | 370                                     | 224                                | 114         | 110          | 12800         | 500                               | 16                    |
| 1500                 | 80-185               | 30707          | 30                 | 88                 |                    | 119          | 100         | 78           | 11100         | 147                    | 100         | 107          | 12100        | 370                                     | 206                                | 121         | 110          | 13500         | 500                               |                       |
|                      | 185-200              | 25953          | 40                 | 114                |                    | 119          | 101         | 78           | 11700         | 147                    | 101         | 107          | 12700        | 370                                     | 206                                | 122         | 110          | 14100         | 500                               | 12                    |
| 2000                 | 50-135               | 5012A          | 40                 | 114                |                    | 140          | 111         | 78           | 14400         | 181                    | 111         | 107          | 15700        | 370                                     | 240                                | 132         | 110          | 17100         | 500                               |                       |
| 1500 (3+1 SPARE)     | 135-185              | 40707          | 40                 | 114                |                    | 122          | 110         | 78           | 14400         | 163                    | 110         | 107          | 15700        | 370                                     | 222                                | 131         | 110          | 17100         | 500                               | 14                    |
|                      | 185-200              | 30957          | 40                 | 114                |                    | 122          | 110         | 78           | 14400         | 163                    | 110         | 107          | 15700        | 370                                     | 222                                | 131         | 110          | 17100         | 500                               |                       |
|                      | 50-130               | 5012A          | 40                 | 114                |                    | 144          | 128         | 78           | 18000         | 185                    | 128         | 107          | 19400        | 370                                     | —                                  | —           | —            | —             | —                                 | 12                    |
| 2500                 | 130-170              | 40707          | 40                 | 114                |                    | 126          | 117         | 78           | 18000         | 167                    | 117         | 107          | 19400        | 370                                     | —                                  | —           | —            | —             | —                                 |                       |
| 1875 (3+1 SPARE)     | 170-200              | 40957          | 50                 | 143                |                    | 144          | 121         | 78           | 18200         | 185                    | 121         | 107          | 19600        | 370                                     | —                                  | —           | —            | —             | —                                 | 16                    |
|                      | 50-120               | 5012A          | 40                 | 114                |                    | 144          | 128         | 78           | 18000         | 185                    | 128         | 95           | 19900        | 528                                     | —                                  | —           | —            | —             | —                                 |                       |
| 3000                 | 120-160              | 50129          | 60                 | 169                |                    | 144          | 128         | 90           | 19400         | 185                    | 128         | 95           | 21300        | 528                                     | —                                  | —           | —            | —             | —                                 | 14                    |
| 2250 (3+1 SPARE)     | 160-200              | 40957          | 60                 | 169                |                    | 144          | 121         | 90           | 19400         | 185                    | 121         | 95           | 21300        | 528                                     | —                                  | —           | —            | —             | —                                 |                       |
|                      | 50-155               | 50129          | 60                 | 169                |                    | 144          | 128         | 90           | 19400         | 185                    | 128         | 130          | 22100        | 792                                     | —                                  | —           | —            | —             | —                                 | 16                    |
| 2625 (3+1 SPARE)     | 155-200              | 50157          | 100                | 273                |                    | 162          | 138         | 108          | 22500         | 203                    | 138         | 130          | 25200        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                      | 50-70                | 60957          | 30                 | 88                 |                    | 147          | 137         | 78           | 20500         | 193                    | 137         | 95           | 23100        | 660                                     | —                                  | —           | —            | —             | —                                 | 14                    |
| 4000                 | 70-140               | 60125          | 60                 | 169                |                    | 147          | 137         | 90           | 22500         | 193                    | 137         | 95           | 25100        | 660                                     | —                                  | —           | —            | —             | —                                 |                       |
| 3000 (3+1 SPARE)     | 140-200              | 50157          | 100                | 273                |                    | 165          | 147         | 108          | 25600         | 211                    | 147         | 110          | 28200        | 660                                     | —                                  | —           | —            | —             | —                                 | 12                    |
|                      | 50-65                | 60957          | 30                 | 88                 |                    | 149          | 140         | 78           | 24100         | 209                    | 140         | 130          | 28200        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
| 4500                 | 65-135               | 60125          | 60                 | 169                |                    | 149          | 139         | 90           | 26100         | 209                    | 139         | 130          | 30200        | 792                                     | —                                  | —           | —            | —             | —                                 | 16                    |
| 3375 (3+1 SPARE)     | 135-200              | 60157          | 125                | 343                |                    | 167          | 149         | 108          | 32000         | 227                    | 149         | 130          | 36100        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
|                      | 50-80                | 80951          | 40                 | 114                |                    | 149          | 134         | 78           | 25400         | 209                    | 134         | 130          | 29500        | 792                                     | —                                  | —           | —            | —             | —                                 | 14                    |
| 5000                 | 80-140               | 80123          | 100                | 273                |                    | 167          | 136         | 108          | 27900         | 227                    | 136         | 130          | 32000        | 792                                     | —                                  | —           | —            | —             | —                                 |                       |
| 3750 (3+1 SPARE)     | 140-200              | 60157          | 125                | 343                |                    | 167          | 149         | 108          | 32000         | 227                    | 149         | 130          | 36100        | 792                                     | —                                  | —           | —            | —             | —                                 | 12                    |
|                      |                      |                |                    |                    |                    |              |             |              |               |                        |             |              |              |                                         | —                                  | —           | —            | —             | —                                 |                       |