

# SubDrive HPX

## 60 Hz

### For Three-Phase Applications

**SubDrive HPX facilitates Constant Pressure, Pressure Cycling, Flow Control, Switch Control and Tank Level Control**

The SubDrive HPX offers a complete system for three-phase applications requiring 5 to 200 hp, coupled with a Franklin Electric pump and motor. The graphic display terminal allows installers to easily transition through menus, minimizing programming time. The Franklin Electric SubDrive HPX is ideal for a variety of surface and submersible pump applications.

#### SubDrive HPX features:

- UL, CE and CUL listed
- Easy installation
- Quick setup
- Push and turn selector
- Available in NEMA 0 and NEMA 1
- Can be placed in enclosure
- Pressure transducer
- Graphic display terminal
- Optional surge arrestor on input power
- Optional conduit kit
- Easy access terminals
- Optional Accessory fan kit (panel mounts)
- Optional output filters



## Ordering Information

| 200 Volt    |                  |             |   |                       |
|-------------|------------------|-------------|---|-----------------------|
| Output Amps | Franklin Model # | Conduit Kit | Controller Dimensions (in/cm)             | Shipping Weight       |
| 27.5        | 588 102 0275     | 225937103   | 6.9 x 8.3 x 11.6 in / 17.5 x 21 x 29.5 cm | 12.13 lbs / 5.50 kgs  |
| 33          | 588 102 0330     | 225937103   | 11.6 x 8.3 x 8.4 in / 29.5 x 21 x 21 cm   | 15.43 lbs / 7.00 kgs  |
| 54          | 588 102 0540     | 225937105   | 11.6 x 8.3 x 8.4 in / 29.5 x 21 x 21 cm   | 15.43 lbs / 7.00 kgs  |
| 66          | 588 102 0660     | 225937105   | 15.8 x 9.1 x 9.3 in / 40 x 23 x 23.6 cm   | 19.84 lbs / 9.00 kgs  |
| 75          | 588 102 0750     | 225937105   | 16.5 x 9.5 x 10.2 in / 42 x 24 x 25.9 cm  | 41.89 lbs / 19.00 kgs |
| 88          | 588 102 1200     | 225937117   | 21.7 x 12.6 x 11.4 in/55 x 32 x 26.9 cm   | 85.98 lbs / 39.00 kgs |
| 120         | 588 102 1200     | 225937117   | 21.7 x 12.6 x 11.4 in/55 x 32 x 26.9 cm   | 85.98 lbs / 39.00 kgs |

| 230 Volt    |                  |             |   |                       |
|-------------|------------------|-------------|---|-----------------------|
| Output Amps | Franklin Model # | Conduit Kit | Controller Dimensions (in/cm)             | Shipping Weight       |
| 27.5        | 588 102 0275     | 225937103   | 6.9 x 8.3 x 11.6 in / 17.5 x 21 x 29.5 cm | 12.13 lbs / 5.50 kgs  |
| 33          | 588 102 0330     | 225937103   | 11.6 x 8.3 x 8.4 in / 29.5 x 21 x 21 cm   | 15.43 lbs / 7.00 kgs  |
| 54          | 588 102 0540     | 225937105   | 11.6 x 8.3 x 8.4 in / 29.5 x 21 x 21 cm   | 19.84 lbs / 9.00 kgs  |
| 66          | 588 102 0660     | 225937105   | 15.8 x 9.1 x 9.3 in / 40 x 23 x 23.6 cm   | 19.84 lbs / 9.00 kgs  |
| 75          | 588 102 0750     | 225937105   | 16.5 x 9.5 x 10.2 in / 42 x 24 x 25.9 cm  | 41.89 lbs / 19.00 kgs |
| 120         | 588 102 1200     | 225937117   | 21.7 x 12.6 x 11.4 in / 55 x 32 x 26.9 cm | 85.98 lbs / 39.00 kgs |

| 460 Volt    |                  |             |  |                         |
|-------------|------------------|-------------|--|-------------------------|
| Output Amps | Franklin Model # | Conduit Kit | Controller Dimensions (in/cm)                  | Shipping Weight         |
| 7.6         | 588 104 0105     | 225937103   | 10.2 x 5.4 x 8.3 in / 26 x 13.8 x 21 cm        | 12.28 lbs / 5.60 kgs    |
| 11          | 588 104 0143     | 225937103   | 6.9 x 8.3 x 11.6 in / 17.5 x 21 x 29.5 cm      | 12.13lbs / 5.50 kgs     |
| 14          | 588 104 0176     | 225937104   | 6.9 x 8.3 x 11.6 in / 17.5 x 21 x 29.5 cm      | 12.13lbs / 5.50 kgs     |
| 21          | 588 104 0277     | 225937105   | 11.6 x 8.3 x 8.4 in / 29.5 x 21 x 21 cm        | 15.43 lbs / 7.00 kgs    |
| 27          | 588 104 0330     | 225937105   | 15.8 x 9.1 x 9.3 in / 40 x 23 x 23.6 cm        | 19.84 lbs / 9.00 kgs    |
| 34          | 588 104 0410     | 225937106   | 15.8 x 9.1 x 9.3 in / 40 x 23 x 23.6 cm        | 19.84 lbs / 9.00 kgs    |
| 40          | 588 104 0480     | 225937107   | 16.5 x 9.5 x 10.2 in / 42 x 24 x 25.9 cm       | 41.89 lbs / 19.00 kgs   |
| 52          | 588 104 0660     | 225937107   | 21.7 x 12.6 x 11.4 in / 55 x 32 x 26.9 cm      | 85.98 lbs / 39.00 kgs   |
| 65          | 588 104 0790     | 225937108   | 21.7 x 12.6 x 11.4 in / 55 x 32 x 26.9 cm      | 85.98 lbs / 39.00 kgs   |
| 77          | 588 104 0940     | 225937108   | 24.9 x 12.6 x 12.3 in / 63.3 x 32 x 31.3 cm    | 97.00 lbs / 44.00 kgs   |
| 96          | 588 104 1160     | 225937108   | 24.9 x 12.6 x 12.3 in / 63.3 x 32 x 31.3 cm    | 97.00 lbs / 44.00 kgs   |
| 124         | 588 104 1600     | 225937109   | 24.9 x 12.6 x 12.3 in / 63.3 x 32 x 31.3 cm    | 97.00 lbs / 44.00 kgs   |
| 179         | 588 104 1790     | 225937109   | 24.9 x 12.6 x 12.3 in / 63.3 x 32 x 31.3 cm    | 132.00 lbs / 60.00 kgs  |
| 215         | 588 104 2150     | 225937109   | 36.2 x 12.6 x 9.8 in / 91.9 x 32 x 24.9 cm     | 163.14 lbs / 74.00 kgs  |
| 259         | 588 104 2590     | 225937110   | 40.2 x 14.2 x 11.7 in / 102.1 x 35.9 x 29.7 cm | 176.37 lbs / 80.00 kgs  |
| 314         | 588 104 3140     | 225937111   | 46.6 x 13.4 x 11.2 in / 118.4 x 34 x 28.4 cm   | 242.51 lbs / 110.00 kgs |

| 575 Volt    |                  |             |  |                      |
|-------------|------------------|-------------|--|----------------------|
| Output Amps | Franklin Model # | Conduit Kit | Controller Dimensions (in/cm)              | Shipping Weight      |
| 9           | 588 105 0090     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 11          | 588 105 0110     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 17          | 588 105 0170     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 22          | 588 105 0220     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 27          | 588 105 0270     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 32          | 588 105 0320     | 225937106   | 9.5 x 16.5 x 10.2 in / 24 x 42 x 23.6 cm   | 66.14 lbs / 30 kgs   |
| 41          | 588 105 0410     | 225937108   | 12.6 x 24.8 x 12.32 in / 32 x 63 x 31.3 cm | 99.21 lbs / 45 kgs   |
| 52          | 588 105 0520     | 225937108   | 12.6 x 24.8 x 12.32 in / 32 x 63 x 31.3 cm | 99.21 lbs / 45 kgs   |
| 62          | 588 105 0620     | 225937108   | 12.6 x 24.8 x 12.32 in / 32 x 63 x 31.3 cm | 99.21 lbs / 45 kgs   |
| 77          | 588 105 0770     | 225937108   | 12.6 x 24.8 x 12.32 in / 32 x 63 x 31.3 cm | 99.21 lbs / 45 kgs   |
| 99          | 588 105 0990     | 225937108   | 12.6 x 24.8 x 12.32 in / 32 x 63 x 31.3 cm | 99.21 lbs / 45 kgs   |
| 125         | 588 105 1250     | 225937111   | 13.4 x 46.6 x 11.2 in / 34 x 119 x 28.5 cm | 242.00 lbs / 110 kgs |
| 150         | 588 105 1500     | 225937111   | 13.4 x 46.6 x 11.2 in / 34 x 119 x 28.5 cm | 242.00 lbs / 110 kgs |
| 220         | 588 105 2200     | 225937111   | 13.4 x 46.6 x 11.2 in / 34 x 119 x 28.5 cm | 242.00 lbs / 110 kgs |
| 290         | 588 105 2900     | 225937111   | 23.4 x 46.6 x 21.3 in / 59.5 x 119 x 54 cm | 418 lbs / 190 kgs    |

## Line Reactors

| Franklin Model # | Amps | Max Amps | Cabinet | Dimensions (L x W x D)                         | Weight             |
|------------------|------|----------|---------|--|--------------------|
| 225930139        | 130  | 195      | CAB-13V | 24 x 16.9 x 18.4 in / 60.96 x 42.88 x 46.69 cm | 64 lbs / 29.09 kg  |
| 225930142        | 160  | 240      | CAB-13V | 24 x 16.9 x 18.4 in / 60.96 x 42.88 x 46.69 cm | 72 lbs / 32.73 kg  |
| 225930145        | 200  | 300      | CAB-13V | 24 x 16.9 x 18.4 in / 60.96 x 42.88 x 46.69 cm | 100 lbs / 45.45 kg |
| 225930148        | 250  | 375      | CAB-17V | 31 x 14.3 x 17.8 in / 78.74 x 36.35 x 45.09 cm | 143 lbs / 65 kg    |

Drive manufacturer mandates a line reactor for all 125 - 200 HP 575V submersibles.

## Load Reactors



Filters or Reactors: Required if all three of the following conditions are met: (1) Voltage is 380 or greater and (2) Drive uses GBT or BJT switches (rise-times < 2  $\mu$ sec) and (3) Cable from drive to motor is more than 50 ft (15.2 m) a low-pass filter is preferable. Filters or reactors should be selected in conjunction with the drive manufacturer and must be specifically designed for VFD operation. Refer to Filter Selection program for Franklin Electric model number.

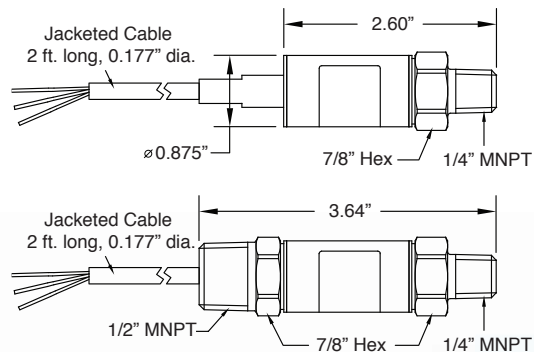
| Franklin Model # | Amps | Max Amps | Cabinet | Dimensions (L x W x D)                  | Weight          |
|------------------|------|----------|---------|---|-----------------|
| 225930101        | 2    | 3        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930102        | 2    | 3        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930103        | 2    | 3        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930104        | 2    | 3        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 3 lbs / 1.36 kg |
| 225930105        | 4    | 6        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930106        | 4    | 6        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930107        | 4    | 6        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 5 lbs / 2.27 kg |
| 225930108        | 4    | 6        | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 4 lbs / 1.82 kg |
| 225930109        | 8    | 12       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm | 7 lbs / 3.18 kg |

| Franklin Model # | Amps | Max Amps | Cabinet | Dimensions (L x W x D)                           | Weight              |
|------------------|------|----------|---------|--|---------------------|
| 225930110        | 8    | 12       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 8 lbs / 3.64 kg     |
| 225930111        | 8    | 12       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 11 lbs / 5 kg       |
| 225930112        | 8    | 12       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 13 lbs / 5.91 kg    |
| 225930113        | 12   | 18       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 9 lbs / 4.09 kg     |
| 225930114        | 12   | 18       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 10 lbs / 4.55 kg    |
| 225930115        | 12   | 18       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 18 lbs / 8.18 kg    |
| 225930116        | 18   | 27       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 9 lbs / 4.09 kg     |
| 225930117        | 18   | 27       | CAB-8   | 8 x 8 x 6 in / 20.32 x 20.32 x 15.24 cm          | 12 lbs / 5.45 kg    |
| 225930118        | 18   | 27       | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 16 lbs / 7.27 kg    |
| 225930119        | 25   | 37.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 11 lbs / 5 kg       |
| 225930120        | 25   | 37.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 14 lbs / 6.36 kg    |
| 225930121        | 25   | 37.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 20 lbs / 9.09 kg    |
| 225930122        | 35   | 52.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 14 lbs / 6.36 kg    |
| 225930123        | 35   | 52.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 16 lbs / 7.27 kg    |
| 225930124        | 35   | 52.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 30 lbs / 13.64 kg   |
| 225930125        | 45   | 67.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 23 lbs / 10.45 kg   |
| 225930126        | 45   | 67.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 28 lbs / 12.73 kg   |
| 225930127        | 45   | 67.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 39 lbs / 17.73 kg   |
| 225930128        | 55   | 82.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 24 lbs / 10.91 kg   |
| 225930129        | 55   | 82.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 27 lbs / 12.27 kg   |
| 225930130        | 55   | 82.5     | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 41 lbs / 18.64 kg   |
| 225930131        | 80   | 120      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 43 lbs / 19.55 kg   |
| 225930132        | 80   | 120      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 51 lbs / 23.18 kg   |
| 225930133        | 80   | 120      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 61 lbs / 27.73 kg   |
| 225930134        | 100  | 150      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 47 lbs / 21.36 kg   |
| 225930135        | 100  | 150      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 51 lbs / 23.18 kg   |
| 225930136        | 100  | 150      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 74 LS / 33.64 kg    |
| 225930137        | 130  | 195      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 29 lbs / 13.18 kg   |
| 225930138        | 130  | 195      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 62 lbs / 28.18 kg   |
| 225930139        | 130  | 195      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 64 lbs / 29.09 kg   |
| 225930140        | 160  | 240      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 42 lbs / 19.09 kg   |
| 225930141        | 160  | 240      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 51 lbs / 23.18 kg   |
| 225930142        | 160  | 240      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 72 lbs / 32.73 kg   |
| 225930143        | 200  | 300      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 49 lbs / 22.27 kg   |
| 225930144        | 200  | 300      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 67 lbs / 30.45 kg   |
| 225930145        | 200  | 300      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 100 lbs / 45.45 kg  |
| 225930146        | 250  | 375      | CAB-13V | 24 x 16.88 x 18.38 in / 60.96 x 42.88 x 46.69 cm | 68 lbs / 30.91 kg   |
| 225930147        | 250  | 375      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 106 lbs / 48.18 kg  |
| 225930148        | 250  | 375      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 143 lbs / 65 kg     |
| 225930149        | 320  | 480      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 110 lbs / 50 kg     |
| 225930150        | 320  | 480      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 125 lbs / 56.82 kg  |
| 225930151        | 320  | 480      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 190 lbs / 86.36 kg  |
| 225930152        | 400  | 560      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 100 lbs / 45.45 kg  |
| 225930153        | 400  | 560      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 155 lbs / 70.45 kg  |
| 225930154        | 400  | 560      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 200 lbs / 90.91 kg  |
| 225930155        | 500  | 700      | CAB-17V | 31 x 14.31 x 17.75 in / 78.74 x 36.35 x 45.09 cm | 120 lbs / 54.55 kg  |
| 225930156        | 500  | 700      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 180 lbs / 81.82 kg  |
| 225930157        | 500  | 700      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 290 lbs / 131.82 kg |
| 225930158        | 600  | 840      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 160 lbs / 72.73 kg  |
| 225930159        | 600  | 840      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 250 lbs / 113.64 kg |
| 225930160        | 600  | 750      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 290 lbs / 131.82 kg |
| 225930161        | 750  | 1050     | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 200 lbs / 90.91 kg  |
| 225930162        | 750  | 1050     | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 310 lbs / 140.91 kg |
| 225930163        | 750  | 938      | CAB-26C | 40 x 23.31 x 21.75 in / 101.6 x 59.21 x 55.25 cm | 430 lbs / 195.45 kg |

# Drive Specifications

| Drive Specifications/ Surge Arrestors |  |
|---------------------------------------|--|
| <b>Input From Power Source</b>        |  |
| Voltage                               | 200 V - 575 V 3-Phase                      |
| Frequency                             | 60 Hz                                      |
| Max Amps (RMS)                        | SubDrive HPX Specific                      |
| <b>Output To Motor</b>                |  |
| Voltage                               | Adjusts with frequency                     |
| Frequency                             | Variable (30-60 Hz)                        |
| Max Amps (RMS)                        | SubDrive HPX Specific                      |
| <b>Pressure Setting</b>               |  |
| Factory Preset                        | Application Specific/SubDrive HPX Settings |
| <b>Operating Conditions</b>           |  |
| Operating Temperature                 | +14 °F to +122 °F (-10 °C to +50 °C)       |
| Storage Temperature                   | -13 °F to +158 °F (-25 °C to +70 °C)       |
| Relative Humidity                     | 5% - 95% Noncondensating                   |
| <b>Controller Size</b>                |  |
| NEMA 0                                | Refer to operator manual                   |
| NEMA 1                                | Refer to operator manual                   |
| <b>For Use With</b>                   |  |
| Pump Rating                           | Match to motor rated hp                    |
| FE Motor Rating                       | FE 3-phase motor                           |

| Pressure Transducer |     |             |
|---------------------|-----|-------------|
| Figure              | PSI | Part Number |
| Standard            | 100 | 225653101   |
|                     | 150 | 225653102   |
|                     | 200 | 225653103   |
|                     | 250 | 225653104   |
| Conduit Connector   | 100 | 225653105   |
|                     | 150 | 225653106   |
|                     | 200 | 225653107   |
|                     | 250 | 225653108   |



Please contact your local distributor for availability of transducers.

## Surge Arrestors

Surge arrestors are highly recommended for protecting submersible motors from a variety of commonly occurring high voltage spikes which can damage the motor insulation system and cause motor winding failure. These arrestors will not, as is true of any surge protection equipment, protect the motor from a direct lightning strike.

| Motor Type  | Required per Motor | Franklin Part Number |
|-------------|--------------------|----------------------|
| Three-phase | 1                  | 155 440 902          |

Three-phase surge arrestor number 155 440 902 can be used on supply voltage systems up to 650 Volts to ground.



**Franklin Electric**

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