



**REPAIR PARTS**  
ReSV R7

**e-SV** REPAIR PARTS



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### e-SV Product Line

### Numbering System for 1 - 22SV Liquid End Only

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

#### Example Product Code

22 SV 0 2 F E 3 0

#### Special Configurations (optional Characters)

- A = Cooling Chamber only
- B = Cooling Chamber + Passivation
- C = Cooling Chamber + Low NPSH
- F = Destaged - 1 stage
- G = Destaged - 2 stage
- H = Horizontal mount only
- J = Horizontal mount + Passivation
- K = Horizontal mount + Low NPSH
- L = Horizontal mount + High Pressure
- N = Low NPSH only
- P = Passivation only
- S = Customized Configuration
- Z = High pressure only

#### Seal Material

- 0 = Carb-SilCar-Viton (Standard)
- 1 = Carb-SilCar-AFLAS (HighTemp)
- 2 = SilCar-SilCar-Viton
- 4 = SilCar-SilCar-EPR
- 6 = Carb-SilCar-EPR

#### Pole-Hz

- 1 = 2-50      3 = 2-60
- 2 = 4-50      4 = 4-60

#### Motor Frame (NEMA)

- A = 56C      D = 250TC
- B = 180TC    E = 280TC
- C = 210TC

#### Configuration

- C = Clamp-316      P = Victaulic-316
- F = Round-304 (SVB)    T = Oval-304 (SVA)
- G = CI-304
- N = Round-316 (SVD)

| Top / Bottom |                      | Suction<br>discharge<br>location |
|--------------|----------------------|----------------------------------|
| R =          | (SVC) 12Suct-12Disch |                                  |
| W =          | (SVC) 12Suct-03Disch |                                  |
| X =          | (SVC) 12Suct-06Disch |                                  |
| Y =          | (SVC) 12Suct-09Disch |                                  |

#### Total Number of Impeller Stages (may be 1 or 2 characters)

#### Product Line:

- SV - Stainless Vertical

#### Nominal Flow:

- 1 = 5 GPM      10 = 53 GPM
- 3 = 16 GPM    15 = 80 GPM
- 5 = 26 GPM    22 = 116 GPM

### e-SV Product Line

### Numbering System for 33 - 125SV Liquid End Only

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

#### Example Product Code

125 SV 8 1 2 B F E 2 0

#### Special Configurations (optional Characters)

- F = Destaged - 1 stage (33 and 46 only)
- G = Destaged - 2 stage (33 and 46 only)
- H = Horizontal mount only
- J = Horizontal mount + Passivation
- K = Horizontal mount + Low NPSH (33, 46 and 66 only)
- L = Horizontal mount + High Pressure
- N = Low NPSH only (33, 46 and 66 only)
- S = Customized Configuration
- Z = High pressure (250/300# pump body)

#### Seal Material

- 0 = Carb-SilCar-Viton
- 2 = SilCar-SilCar-Viton
- 4 = SilCar-SilCar-EPR
- 6 = Carb-SilCar-EPR
- 7 = Carb-SilCar-Viton (Cart)
- 8 = SilCar-SilCar-EPR (Cart)

#### Pole-Hz

- 1 = 2-50      3 = 2-60
- 2 = 4-50      4 = 4-60

#### Motor Frame (NEMA)

- B = 180TC      E = 280TC
- C = 210TC      F = 320TSC
- D = 250TC      G = 360TSC

#### Configuration

- G = Round-CI-304
- N = Round-316

#### 125SV ONLY

**Reduced Trim Diameter**  
**Blank if 33-92SV**

A = 141 mm

B = 136 mm

C = 145 mm (full dia.)

#### Number of Reduced Trim Impellers

#### Total Number of Impellers/Stages

**Product Line:** SV - Stainless Vertical

#### Nominal Flow:

- 33 = 175 GPM
- 46 = 240 GPM
- 66 = 350 GPM
- 92 = 485 GPM
- 125 = 660 GPM

### e-SV Product Line

### Numbering System for 1 - 22SV Pump & Motor Combination

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

#### Example Product Code

2 SV 2 2 F A 2 F 5 1 A H

#### Special Configurations (1 or 2 Characters)

|                                    |                                      |
|------------------------------------|--------------------------------------|
| A = Cooling Chamber only           | K = Horizontal mount + Low NPSH      |
| B = Cooling Chamber + Passivation  | L = Horizontal mount + High Pressure |
| C = Cooling Chamber + Low NPSH     | M = i-Alert                          |
| F = Destaged - 1 stage             | N = Low NPSH only                    |
| G = Destaged - 2 stage             | P = Passivation only                 |
| H = Horizontal mount only          | S = Customized Configuration         |
| J = Horizontal mount + Passivation | Z = High Press (250/300# pump body)  |

#### Seal Material

|                                  |                       |
|----------------------------------|-----------------------|
| 0 = Carb-SilCar-Viton            | 4 = SilCar-SilCar-EPR |
| 1 = Carb-SilCar-AFLAS (HighTemp) | 6 = Carb-SilCar-EPR   |
| 2 = SilCar-SilCar-Viton          |                       |

#### Motor Enclosure

|                   |               |                   |
|-------------------|---------------|-------------------|
| 1 = ODP           | 5 = Prem-ODP  | 9 = Marine        |
| 2 = TEFC          | 6 = Prem-TEFC | A = Chem          |
| 3 = X-Proof       | 7 = Prem-XP   | B = Prem-Chem     |
| 4 = WD - Tropical | 8 = Prem-WD   | C = Class 1 Div 2 |

#### Voltage

|                 |                 |                     |
|-----------------|-----------------|---------------------|
| A = 115/230     | H = 190/380     | R = 220             |
| B = 230         | J = 115/208-230 | S = 415             |
| C = 230/460     | K = 208         | T = 220/380 WYE     |
| D = 460         | L = 208-230     | U = 380-660 WYE     |
| E = 575         | M = 190-380/415 | V = 208-230/460 WYE |
| F = 208-230/460 | N = 380         |                     |
| G = 200         | P = 110/220     |                     |

#### Pole-Hz-Phase

|            |            |            |
|------------|------------|------------|
| 1 = 2-50-1 | 4 = 2-60-3 | 7 = 4-60-1 |
| 2 = 2-50-3 | 5 = 4-50-1 | 8 = 4-60-3 |
| 3 = 2-60-1 | 6 = 4-50-3 |            |

#### HP Rating

|          |         |        |
|----------|---------|--------|
| A = 0.50 | F = 3   | L = 20 |
| B = 0.75 | G = 5   | M = 25 |
| C = 1.00 | H = 7.5 | N = 30 |
| D = 1.50 | J = 10  | P = 40 |
| E = 2    | K = 15  |        |

#### Configuration OPTION

|                     |     |                      |
|---------------------|-----|----------------------|
| C = Clamp-316       |     |                      |
| F = Round-304 (SVB) | R = | (SVC) 12Suct-12Disch |
| G = CI-304          | W = | (SVC) 12Suct-03Disch |
| N = Round-316 (SVD) | X = | (SVC) 12Suct-06Disch |
| P = Victaulic-316   | Y = | (SVC) 12Suct-09Disch |
| T = Oval-304 (SVA)  |     |                      |

Top / Bottom

Suction  
discharge  
location

#### Total Number of Impeller Stages (may be 1 or 2 characters)

#### Product Line:

SV - Stainless Vertical

#### Nominal Flow:

|            |             |              |
|------------|-------------|--------------|
| 1 = 5 GPM  | 5 = 26 GPM  | 15 = 80 GPM  |
| 3 = 16 GPM | 10 = 53 GPM | 22 = 116 GPM |

### e-SV Product Line

### Numbering System for 33 - 125SV Pump & Motor Combination

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

#### Example Product Code

125 SV 8 2 A G K 3 F 2 0

#### Special Configurations (1 or 2 Characters)

F = Destaged - 1 stage (33 and 46 only) M = i-Alert  
 G = Destaged - 2 stage (33 and 46 only) N = Low NPSH only (33, 46 and 66 only)  
 H = Horizontal mount only P = Passivation only  
 J = Horizontal mount + Passivation S = Customized Configuration  
 K = Horizontal mount + Low NPSH Z = High Press (250/300# pump body/Casing)  
 L = Horizontal mount + High Pressure

#### Seal Material

0 = Carb-SilCar-Viton 6 = Carb-SilCar-EPR  
 2 = SilCar-SilCar-Viton 7 = Carb-SilCar-Viton (Cart)  
 4 = SilCar-SilCar-EPR 8 = SilCar-SilCar-EPR (Cart)

#### Motor Enclosure

1 = ODP 5 = Prem-ODP 9 = Marine  
 2 = TEFC 6 = Prem-TEFC A = Chem  
 3 = X-Proof 7 = Prem-XP B = Prem-Chem  
 4 = WD - Tropical 8 = Prem-WD C = Class 1 Div 2

#### Voltage

A = 115/230 F = 208-230/460 L = 208-230 S = 415  
 B = 230 G = 200 M = 190-380/415 T = 220/380 WYE  
 C = 230/460 H = 190/380 N = 380 U = 380-660 WYE  
 D = 460 J = 115/208-230 P = 110/220 V = 208-230/460 WYE  
 E = 575 K = 208 R = 220

#### Pole-Hz-Phase

1 = 2-50-1 4 = 2-60-3 7 = 4-60-1  
 2 = 2-50-3 5 = 4-50-1 8 = 4-60-3  
 3 = 2-60-1 6 = 4-50-3

#### HP Rating

F = 3 L = 20 R = 50  
 G = 5 M = 25 S = 60  
 H = 7.5 N = 30 T = 75  
 J = 10 P = 40 U = 100  
 K = 15

#### Configuration

G = Round-CI-304 N = Round-316

#### 125SV ONLY

**Reduced Trim Diameter** A = 141 mm B = 136 mm C = 145 mm (full dia.)  
**Blank if 33-92SV**

#### Number of Reduced Trin Impeller

#### Total Number of Impeller Stages (may be 1 or 2 characters)

#### Product Line:

SV - Stainless Vertical

#### Nominal Flow:

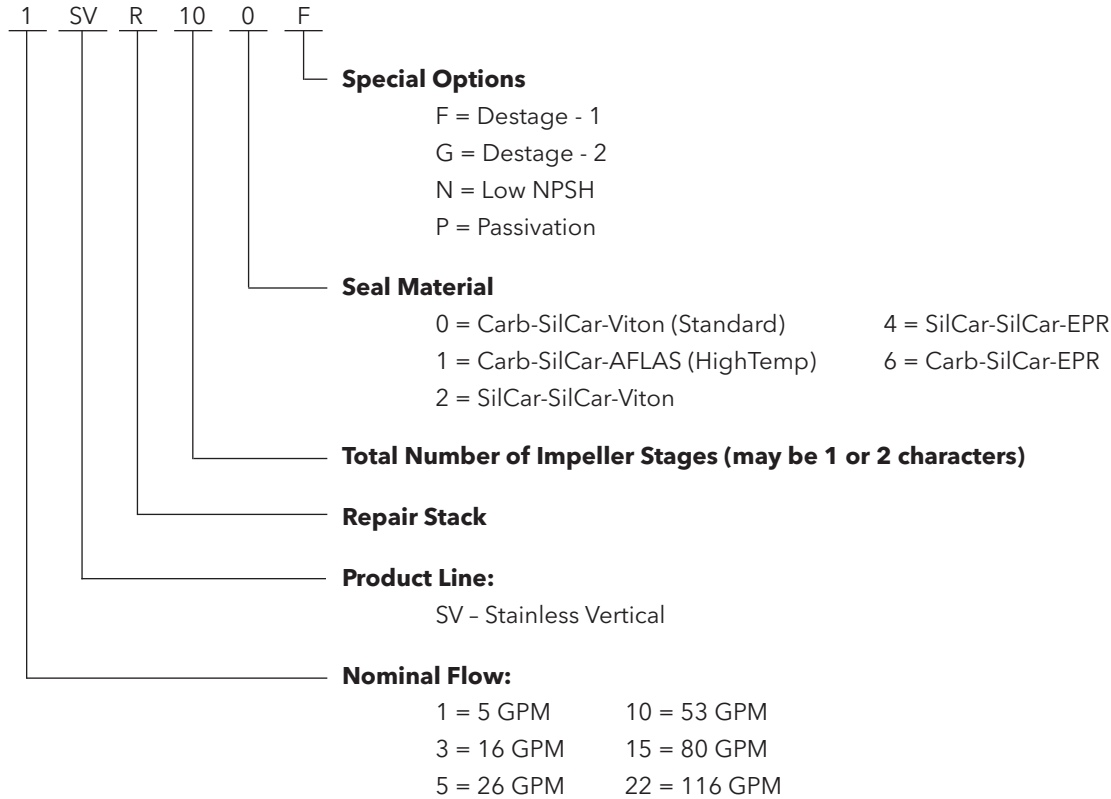
33 = 175 GPM 66 = 350 GPM 125 = 660 GPM  
 46 = 240 GPM 92 = 485 GPM

### e-SV Product Line

### Numbering System for 1 - 22SV Repair Stack

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

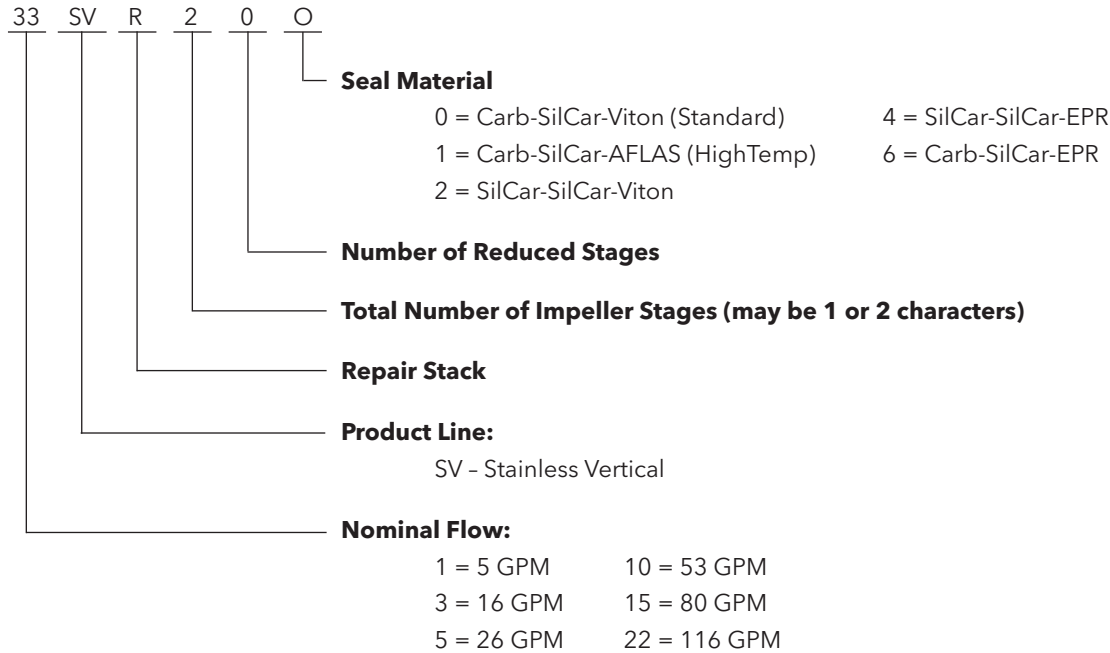
#### Example Product Code



### e-SV Product Line Numbering System for 33 - 125SV Repair Stack

The various versions of the e-SV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below. Note: Not all combinations are possible.

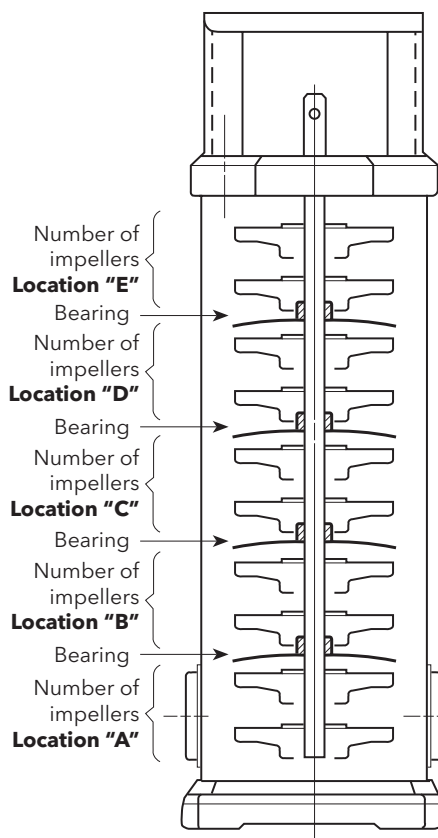
#### Example Product Code



### e-SV Product Line

#### 1 - 125SV Impellers and Intermediate Bearings Layout

| Stages | 1SV                |   |    |   |   | 3SV |                    |   |    |   | 5SV |   |                    |   |   | 10SV |   |   |                    | 15SV |   |   |   | 22SV |                    |   |   |   |   |   |   |  |
|--------|--------------------|---|----|---|---|-----|--------------------|---|----|---|-----|---|--------------------|---|---|------|---|---|--------------------|------|---|---|---|------|--------------------|---|---|---|---|---|---|--|
|        | Number of Bushings | A | B  | C | D | E   | Number of Bushings | A | B  | C | D   | E | Number of Bushings | A | B | C    | D | E | Number of Bushings | A    | B | C | D | E    | Number of Bushings | A | B | C | D | E |   |  |
| 1      |                    |   |    |   |   |     |                    |   |    |   |     |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 2      | 1                  | 1 | 1  |   |   |     | 1                  | 1 | 1  |   |     |   | 1                  | 1 | 1 |      |   |   | 1                  | 1    | 1 |   |   |      | 1                  | 1 | 1 |   |   |   |   |  |
| 3      |                    | 1 | 2  |   |   |     |                    | 1 | 2  |   |     |   |                    | 1 | 2 |      |   |   |                    | 1    | 2 |   |   |      |                    | 1 | 2 |   |   |   |   |  |
| 4      |                    | 1 | 3  |   |   |     |                    | 1 | 3  |   |     |   |                    | 1 | 3 |      |   |   |                    | 1    | 3 |   |   |      |                    | 1 | 3 |   |   |   |   |  |
| 5      |                    | 1 | 4  |   |   |     |                    | 1 | 4  |   |     |   |                    | 1 | 4 |      |   |   |                    | 1    | 4 |   |   |      |                    | 1 | 4 |   |   |   |   |  |
| 6      |                    | 2 | 4  |   |   |     |                    | 2 | 4  |   |     |   |                    | 2 | 4 |      |   |   |                    | 2    | 4 |   |   |      |                    | 1 | 5 |   |   |   |   |  |
| 7      |                    | 2 | 5  |   |   |     |                    | 2 | 5  |   |     |   |                    | 2 | 5 |      |   |   |                    | 2    | 5 |   |   |      |                    | 1 | 4 | 2 |   |   |   |  |
| 8      | 2                  | 2 | 6  |   |   |     | 2                  | 2 | 6  |   |     |   | 2                  | 2 | 6 |      |   |   | 2                  | 2    | 6 |   |   |      | 2                  | 1 | 5 | 2 |   |   |   |  |
| 9      |                    | 2 | 7  |   |   |     |                    | 2 | 7  |   |     |   |                    | 2 | 7 |      |   |   |                    | 1    | 5 | 3 |   |      |                    |   | 1 | 5 | 3 |   |   |  |
| 10     |                    | 2 | 8  |   |   |     |                    | 2 | 8  |   |     |   |                    | 2 | 5 | 3    |   |   |                    | 1    | 6 | 3 |   |      |                    |   | 1 | 6 | 3 |   |   |  |
| 11     |                    | 2 | 6  | 3 |   |     |                    | 2 | 6  | 3 |     |   |                    | 2 | 6 | 3    |   |   |                    | 1    | 6 | 4 |   |      |                    |   | 1 | 6 | 4 |   |   |  |
| 12     |                    | 2 | 7  | 3 |   |     |                    | 2 | 7  | 3 |     |   |                    | 2 | 6 | 4    |   |   |                    | 1    | 5 | 4 | 2 |      |                    |   | 3 | 1 | 5 | 4 | 2 |  |
| 13     |                    | 2 | 7  | 4 |   |     |                    | 2 | 7  | 4 |     |   |                    | 2 | 7 | 4    |   |   |                    | 1    | 5 | 4 | 3 |      |                    |   |   |   |   |   |   |  |
| 14     |                    | 2 | 8  | 4 |   |     |                    | 2 | 8  | 4 |     |   |                    | 2 | 8 | 4    |   |   |                    | 1    | 5 | 5 | 3 |      |                    |   |   |   |   |   |   |  |
| 15     |                    | 2 | 9  | 4 |   |     |                    | 2 | 9  | 4 |     |   |                    | 2 | 8 | 5    |   |   |                    | 1    | 5 | 5 | 4 |      |                    |   |   |   |   |   |   |  |
| 16     |                    | 2 | 9  | 5 |   |     |                    | 2 | 9  | 5 |     |   |                    | 2 | 9 | 5    |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 17     |                    | 2 | 10 | 5 |   |     |                    | 2 | 10 | 5 |     |   |                    | 2 | 6 | 5    | 4 |   |                    |      | 2 | 6 | 5 | 4    |                    |   |   |   |   |   |   |  |
| 18     | 3                  | 2 | 10 | 6 |   |     | 3                  | 2 | 10 | 6 |     |   | 2                  | 6 | 6 | 4    |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 19     |                    | 2 | 10 | 7 |   |     |                    | 2 | 7  | 6 | 4   |   | 2                  | 7 | 6 | 4    |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 20     |                    | 2 | 11 | 7 |   |     |                    | 2 | 7  | 6 | 5   |   | 2                  | 7 | 6 | 5    |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 21     |                    | 2 | 7  | 7 | 5 |     |                    | 2 | 7  | 7 | 5   |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 22     |                    | 2 | 8  | 7 | 5 |     |                    | 2 | 8  | 7 | 5   |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 23     |                    | 2 | 8  | 8 | 5 |     |                    | 4 | 2  | 6 | 6   | 5 | 4                  |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 24     |                    | 2 | 9  | 8 | 5 |     |                    |   | 2  | 6 | 6   | 6 | 4                  |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 25     |                    | 2 | 9  | 9 | 5 |     |                    |   | 2  | 7 | 6   | 6 | 4                  |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 26     |                    | 2 | 9  | 9 | 6 |     |                    |   | 2  | 7 | 7   | 6 | 4                  |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 27     |                    | 2 | 10 | 9 | 6 |     |                    |   | 2  | 7 | 7   | 7 | 4                  |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 28     | 4                  | 2 | 7  | 7 | 7 | 5   |                    |   |    |   |     |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 29     |                    | 2 | 8  | 7 | 7 | 5   |                    |   |    |   |     |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |
| 30     |                    | 2 | 8  | 8 | 7 | 5   |                    |   |    |   |     |   |                    |   |   |      |   |   |                    |      |   |   |   |      |                    |   |   |   |   |   |   |  |



| Stages | 33SV               |   |   | 46SV               |   |   | 66SV               |   |                    | 92SV |                    |   | 125SV |   |   |   |  |
|--------|--------------------|---|---|--------------------|---|---|--------------------|---|--------------------|------|--------------------|---|-------|---|---|---|--|
|        | Number of Bushings | A | B | Number of Bushings | A | B | Number of Bushings | A | Number of Bushings | A    | Number of Bushings | A | B     | C | D |   |  |
| 1      |                    |   |   |                    |   |   |                    |   |                    |      |                    |   |       |   |   |   |  |
| 2      |                    |   |   |                    |   |   |                    |   |                    |      | 1                  | 1 |       |   |   |   |  |
| 3      |                    |   |   |                    |   |   |                    |   |                    |      |                    | 1 |       |   |   |   |  |
| 4      |                    |   |   |                    |   |   | 1                  | 2 | 1                  | 2    | 2                  | 1 | 1     |   |   |   |  |
| 5      | 1                  | 3 |   | 1                  | 3 |   |                    | 3 |                    | 3    |                    | 3 | 1     | 1 |   |   |  |
| 6      |                    | 4 |   |                    | 4 |   | 3                  | 3 | 3                  | 1    | 1                  | 1 |       |   |   |   |  |
| 7      |                    | 4 |   |                    | 4 |   |                    |   |                    | 3    | 1                  | 1 | 1     |   |   |   |  |
| 8      |                    | 4 |   |                    | 4 |   |                    |   |                    | 4    | 1                  | 1 | 1     |   |   |   |  |
| 9      |                    | 4 |   |                    | 4 |   |                    |   |                    |      |                    |   |       |   |   | 1 |  |
| 10     | 2                  | 4 | 3 | 2                  | 4 | 3 |                    |   |                    |      |                    |   |       |   |   |   |  |

The chart on this page is used to locate the correct bearing position(s) on the impeller stack of the e-SV series pumps. To use this chart:

1. Locate the number of stages in the left hand column of the above chart which corresponds to the pump you are working on.
2. Follow the selected row across to the pump size (1SV etc).
3. Under the "A" location, you will find the number of impellers on the bottom of the stack which come before the first bearing.
4. Under the "B" location, you will find the number of impellers which go above the first bearing and below the second bearing (if there is one).
5. Under the "C" location, you will find the number of impellers which go above the second bearing and below the third bearing (if there is one).
6. Under the "D" location, you will find the number of impellers which go above the third bearing.
7. Under the "E" location, you will find the number of impellers which go above the fourth bearing.

### e-SV Product Line Coupling Tables

| Coupling Table - includes nuts, bolts and pin |        |        |        |        |        |        |        |        |
|-----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                               | 56C    | 140TC  | 180TC  | 210TC  | 250TC  | 280TC  | 320TSC | 360TSC |
| 1SV                                           | 7K3333 | 7K3334 | 7K3335 | 7K3336 | 7K3337 |        |        |        |
| 3SV                                           |        |        |        |        |        |        |        |        |
| 5SV                                           |        |        |        |        |        |        |        |        |
| 10SV                                          | 7K3338 | 7K3339 | 7K3340 | 7K3341 | 7K3342 | 7K3343 |        |        |
| 15SV                                          |        |        |        |        |        |        |        |        |
| 22SV                                          |        |        |        |        |        |        |        |        |
| 33SV                                          |        |        | 4L553  | 4L554  | 4L555  | 4L556  |        |        |
| 46SV                                          |        |        |        |        |        |        |        |        |
| 66SV                                          |        |        |        |        |        |        |        |        |
| 92SV                                          |        |        |        |        |        |        |        |        |
| 125SV                                         |        |        |        |        |        |        |        |        |

| Coupling Guard Table - includes screws |        |       |        |       |       |       |        |        |  |  |
|----------------------------------------|--------|-------|--------|-------|-------|-------|--------|--------|--|--|
|                                        | 56C    | 140TC | 180TC  | 210TC | 250TC | 280TC | 320TSC | 360TSC |  |  |
| 1SV                                    | 4K1006 |       | 4K1007 |       |       |       |        |        |  |  |
| 3SV                                    |        |       |        |       |       |       |        |        |  |  |
| 5SV                                    |        |       |        |       |       |       |        |        |  |  |
| 10SV                                   | 4K1008 |       | 4K1009 |       |       |       |        |        |  |  |
| 15SV                                   |        |       |        |       |       |       |        |        |  |  |
| 22SV                                   |        |       |        |       |       |       |        |        |  |  |
| 33SV                                   |        |       | 4L515  |       |       |       |        |        |  |  |
| 46SV                                   |        |       |        |       |       |       |        |        |  |  |
| 66SV                                   |        |       |        |       |       |       |        |        |  |  |
| 92SV                                   |        |       |        |       |       |       |        |        |  |  |
| 125SV                                  |        |       |        |       |       |       |        |        |  |  |

| Size  | Coupling Pin Repair Part Number |
|-------|---------------------------------|
| 1SV   | 4L170                           |
| 3SV   |                                 |
| 5SV   |                                 |
| 10SV  | 4L171                           |
| 15SV  |                                 |
| 22SV  |                                 |
| 33SV  | 4L283                           |
| 46SV  |                                 |
| 66SV  |                                 |
| 92SV  |                                 |
| 125SV |                                 |

### e-SV Product Line Motor Adapter

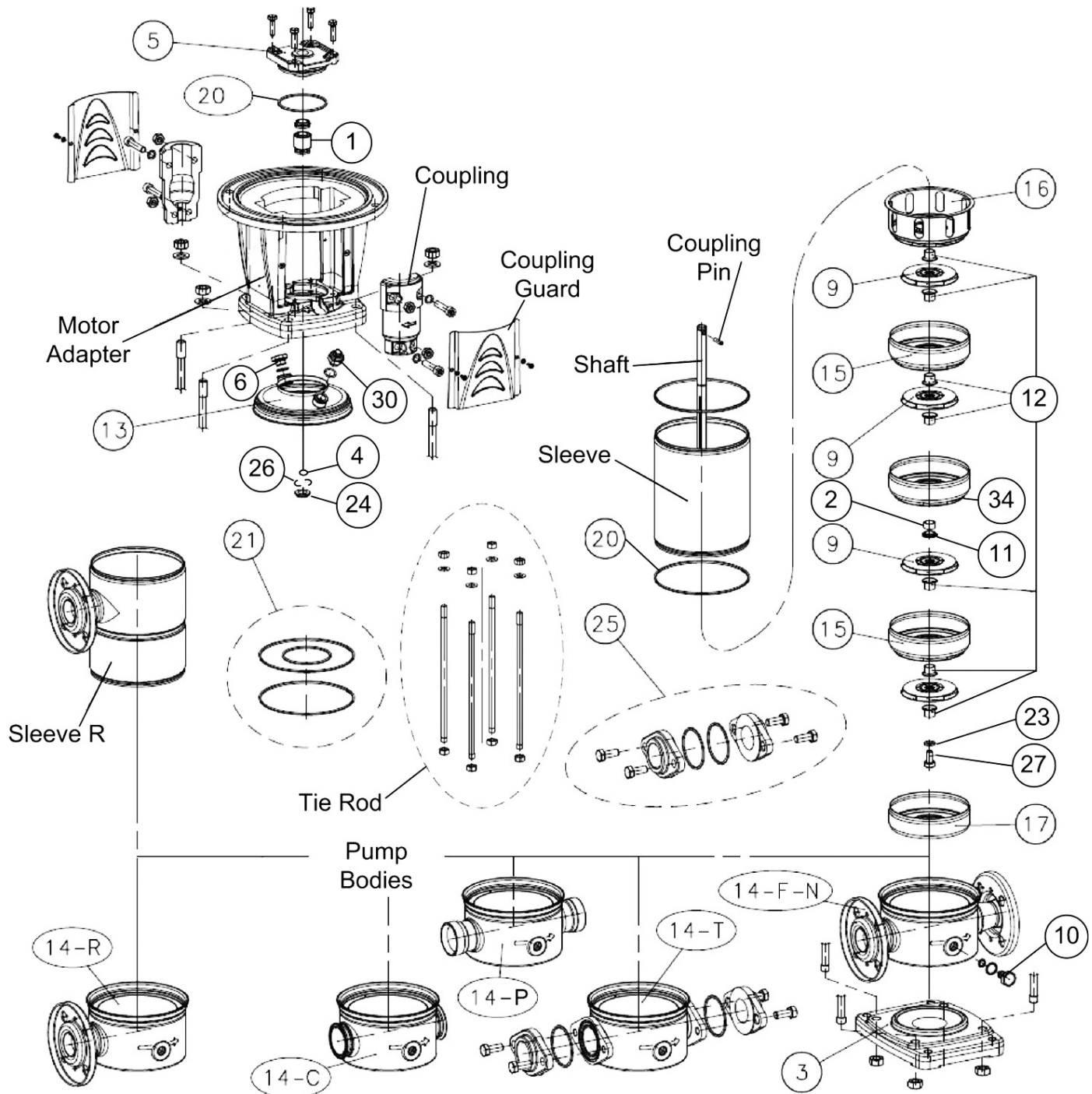
| Model | Part                        | 56C    | 140TC | 180TC  | 210TC  | 250TC | 280TC           | 320TSC          | 360TSC          |
|-------|-----------------------------|--------|-------|--------|--------|-------|-----------------|-----------------|-----------------|
| 1SV   | Motor Adapter               | 1K702  |       | 1K703  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 |                 |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 |                 |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 3SV   | Motor Adapter               | 1K702  |       | 1K703  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 |                 |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 |                 |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 5SV   | Motor Adapter               | 1K702  |       | 1K703  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 |                 |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 |                 |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 10SV  | Motor Adapter               | 1K704  |       | 1K705  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 | 1K708           |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 | 13K93*          |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 15SV  | Motor Adapter               | 1K704  |       | 1K705  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 | 1K708           |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 | 13K93*          |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 22SV  | Motor Adapter               | 1K704  |       | 1K705  |        |       |                 |                 |                 |
|       | Adapter Ring                |        |       |        | 1K706  | 1K707 | 1K708           |                 |                 |
|       | Motor Hex Cap Screw         | 13K194 |       | 13K93' | 13K435 | 13L40 | 13K93*          |                 |                 |
|       | Seal Gland O-Ring           | 5K516  |       |        |        |       |                 |                 |                 |
| 33SV  | Motor Adapter               |        |       | 1L649  |        |       |                 |                 |                 |
|       | Motor Adapter Plate         |        |       |        |        |       | 1L646           | 1L647           | 1L648           |
|       | Motor Hex Cap Screw         |        |       | 13K104 |        |       | 13K44 or 13K245 | 13K44 or 13K247 | 13K44 or 13K247 |
|       | Motor Adapter Hex Cap Screw | 13L127 |       |        |        |       |                 |                 |                 |
| 46SV  | Motor Adapter               |        |       | 1L649  |        |       |                 |                 |                 |
|       | Motor Adapter Plate         |        |       |        |        |       | 1L646           | 1L647           | 1L648           |
|       | Motor Hex Cap Screw         |        |       | 13K104 |        |       | 13K44 or 13K245 | 13K44 or 13K247 | 13K44 or 13K247 |
|       | Motor Adapter Hex Cap Screw | 13L127 |       |        |        |       |                 |                 |                 |
| 66SV  | Motor Adapter               |        |       | 1L649  |        |       |                 |                 |                 |
|       | Motor Adapter Plate         |        |       |        |        |       | 1L646           | 1L647           | 1L648           |
|       | Motor Hex Cap Screw         |        |       | 13K104 |        |       | 13K44 or 13K245 | 13K44 or 13K247 | 13K44 or 13K247 |
|       | Motor Adapter Hex Cap Screw | 13L127 |       |        |        |       |                 |                 |                 |
| 92SV  | Motor Adapter               |        |       | 1L649  |        |       |                 |                 |                 |
|       | Motor Adapter Plate         |        |       |        |        |       | 1L646           | 1L647           | 1L648           |
|       | Motor Hex Cap Screw         |        |       | 13K104 |        |       | 13K44 or 13K245 | 13K44 or 13K247 | 13K44 or 13K247 |
|       | Motor Adapter Hex Cap Screw | 13L127 |       |        |        |       |                 |                 |                 |
| 125SV | Motor Adapter               |        |       | 1L649  |        |       |                 |                 |                 |
|       | Motor Adapter Plate         |        |       |        |        |       | 1L646           | 1L647           | 1L648           |
|       | Motor Hex Cap Screw         |        |       | 13K104 |        |       | 13K44 or 13K245 | 13K44 or 13K247 | 13K44 or 13K247 |
|       | Motor Adapter Hex Cap Screw | 13L127 |       |        |        |       |                 |                 |                 |

' QTY 4 Required

\* QTY 8 Required

### e-SV Product Line

### Major Components 1SV - 22SV



## Commercial Water

### e-SV Product Line Major Components 1SV - 22SV

| Miscellaneous Parts |                               |                                    |       |        |                        |        |       |
|---------------------|-------------------------------|------------------------------------|-------|--------|------------------------|--------|-------|
| Item Number         | Part Name                     | 1SV                                | 3SV   | 5SV    | 10SV                   | 15SV   | 22SV  |
| 2                   | Shaft Bushing (Bearing)       | 4L602                              |       |        | 4L603                  |        |       |
| 20                  | Sleeve O-Ring                 | 5K510 Viton Qty 2 5L88 EPDM Qty 2  |       |        |                        |        |       |
| 5                   | Seal Gland                    | 1K669                              |       |        | 1K701                  |        |       |
| 20                  | Seal Gland O-Ring             | 5K516 Viton Qty 1 5L512 EPDM Qty 1 |       |        |                        |        |       |
| 13                  | Upper Pressed Holder          | 1L842                              |       |        | 1L844                  |        |       |
| 4                   | Seal Washer                   | 13L107                             |       |        | 13L108                 |        |       |
| 24                  | Impeller Locking Cover        | 4K1025                             |       |        | 4K1026                 |        |       |
| 26                  | Half Stop Ring                | 4L245                              |       |        | 4L246                  |        |       |
| 12                  | Impeller Spacer               | 4L593                              |       | 4L594  | 4L597                  | 4L599  |       |
| 16                  | Final Diffuser                | 3L71                               |       | 3L73   | 3L75                   | 3L77   |       |
|                     | Blank Final Diffuser          | 3L86                               |       |        | 3L87                   |        |       |
| 15                  | Diffuser                      | 3L55                               |       | 3L57   | 3L59                   | 3L61   |       |
| 34                  | Diffuser w/ Bushing (Bearing) | 3L63                               |       | 3L65   | 3L67                   | 3L69   |       |
| 34                  | Blank Diffuser                | 3L92                               |       | 3L93   | 3L94                   | 3L95   |       |
| 9                   | Impeller                      | 2L917                              | 2L919 | 2L921  | 2L923                  | 2L925  | 2L927 |
| -                   | Impeller Substituion Spacer*  | 4K1021                             |       | 4K1022 | 4K1023                 | 4K1024 |       |
| 11                  | Bushing Spacer                | 4K1028                             |       | 4K1004 | 4K1005                 | 4L601  |       |
| 17                  | Initial Stage                 | 3L79                               |       | 3L81   | 3L83                   | 3L85   |       |
| 23                  | Initial Stage Washer          | 13L105                             |       |        | 13L106                 |        |       |
| 27                  | Impeller Stack Screw          | 13L95                              |       |        | 13L96                  |        |       |
| -                   | Tie Rod Nuts Qty 4            | 13L98 Qty 1                        |       |        | 13K428 Qty 4           |        |       |
| -                   | Tie Rod Washers Qty 4         | 13L100 Qty 4                       |       |        | 13L21 Qty 1            |        |       |
| 25                  | T Config Counter Flange       | 6L30                               |       |        | 6L57                   |        |       |
| -                   | Coupling Shim                 | 4L242                              |       |        |                        |        |       |
| -                   | Fill Funnel                   | 4L247                              |       |        |                        |        |       |
| 21                  | Complete O-Ring Kit           | 5K517 Viton 5K518 EPDM             |       |        | 5K519 Viton 5K520 EPDM |        |       |

\* Used in place of impeller when pump is destaged.

| Pump Bodies        |                            |        |     |     |        |      |      |
|--------------------|----------------------------|--------|-----|-----|--------|------|------|
| Item Number        | Flange Connection          | 1SV    | 3SV | 5SV | 10SV   | 15SV | 22SV |
| 14                 | F                          | 1L656  |     |     | 1L661  |      |      |
|                    | N                          | 1L657  |     |     | 1L662  |      |      |
|                    | G                          | 1L664  |     |     | 1L665  |      |      |
|                    | R,W,X,Y                    | 1L658  |     |     | 1L663  |      |      |
|                    | T                          | 1L655  |     |     | 1L659  |      |      |
|                    | P                          | 1L840  |     |     | 1L660  |      |      |
|                    | C                          | 1L850  |     |     | 1L851  |      |      |
| Pump Bases         |                            |        |     |     |        |      |      |
| Item Number        | Flange Connection          | 1SV    | 3SV | 5SV | 10SV   | 15SV | 22SV |
| 3                  | F                          | 1K710  |     |     | 1K712  |      |      |
|                    | N                          |        |     |     |        |      |      |
|                    | R,W,X,Y                    |        |     |     |        |      |      |
|                    | C                          |        |     |     |        |      |      |
|                    | T                          | 1K709  |     |     | 1K711  |      |      |
|                    | P                          |        |     |     |        |      |      |
|                    | G                          |        |     |     |        |      |      |
| N/A                |                            |        |     |     |        |      |      |
| Mechanical Seals * |                            |        |     |     |        |      |      |
| Item Number        | Seal Type                  | 1SV    | 3SV | 5SV | 10SV   | 15SV | 22SV |
| 1                  | 0 Seal Car/SilCar/Viton    | 10K168 |     |     | 10K169 |      |      |
|                    | 1 Seal Car/SilCar/AFLAS    | 10K218 |     |     | 10K219 |      |      |
|                    | 2 Seal SilCar/SilCar/Viton | 10K172 |     |     | 10K173 |      |      |
|                    | 4 Seal SilCar/Silcar/EPDM  | 10K174 |     |     | 10K175 |      |      |
|                    | 6 Seal Car/Silcar/EPDM     | 10K170 |     |     | 10K171 |      |      |

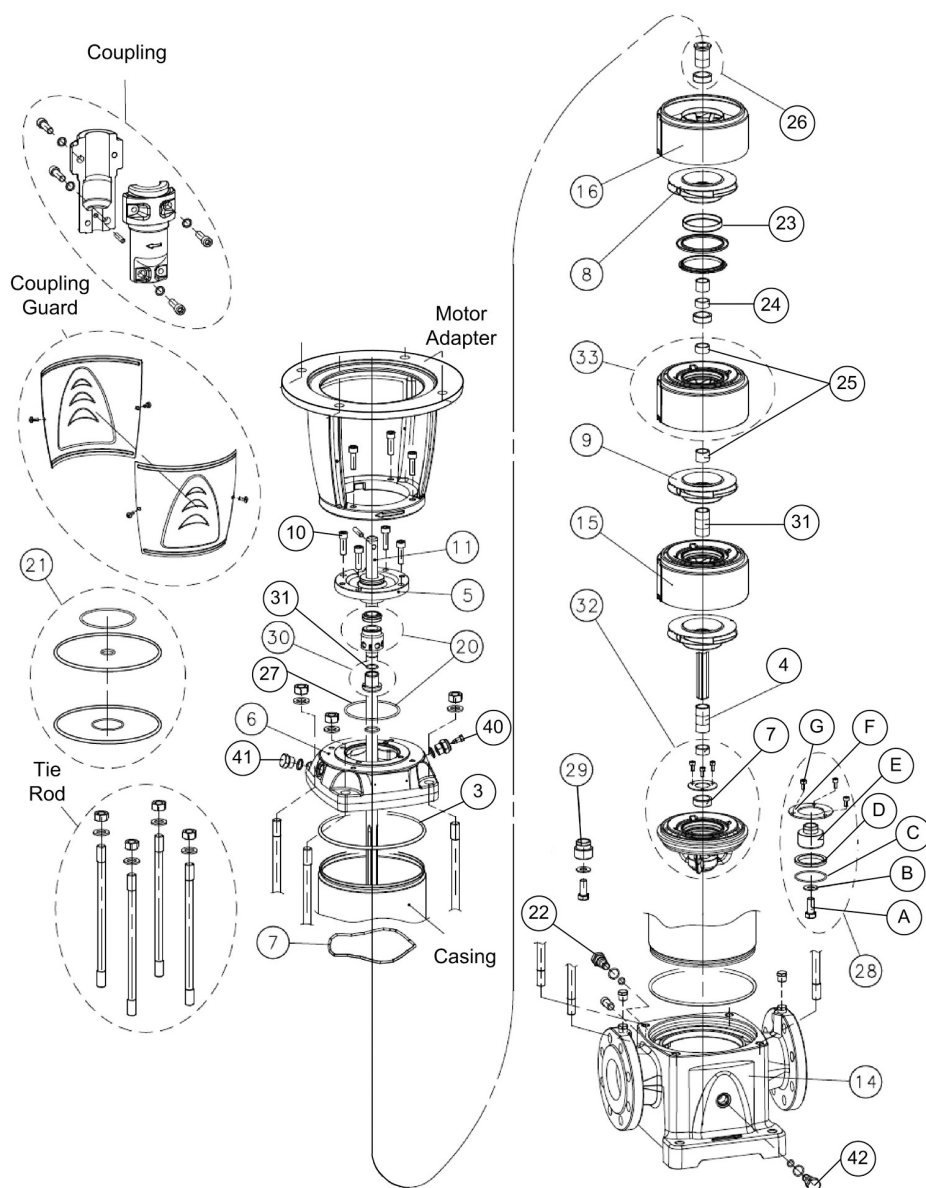
\* Seal Kits contain (1) seal gland o-ring and (2) casing o-rings.

| Vent Plug with O-Ring              |                |       |     |     |       |      |      |
|------------------------------------|----------------|-------|-----|-----|-------|------|------|
| Item Number                        | Elastomer Type | 1SV   | 3SV | 5SV | 10SV  | 15SV | 22SV |
| 30                                 | Viton          | 6L19  |     |     |       |      |      |
|                                    | EPDM           | 6L55  |     |     |       |      |      |
| Fill Plug with O-Ring              |                |       |     |     |       |      |      |
| Item Number                        | Elastomer Type | 1SV   | 3SV | 5SV | 10SV  | 15SV | 22SV |
| 6                                  | Viton          | 6L60  |     |     |       |      |      |
|                                    | EPDM           | 6L59  |     |     |       |      |      |
| Drain Plug with O-Ring             |                |       |     |     |       |      |      |
| Item Number                        | Elastomer Type | 1SV   | 3SV | 5SV | 10SV  | 15SV | 22SV |
| 10                                 | Viton          | 6L17  |     |     | 6L18  |      |      |
|                                    | EPDM           | 6L23  |     |     | 6L24  |      |      |
| Opt. Victaulic Mating Components   |                | 1SV   | 3SV | 5SV | 10SV  | 15SV | 22SV |
| Victaulic Coupling                 |                | 4L194 |     |     | 4L195 |      |      |
| Victaulic Threaded Coupling        |                | 4L196 |     |     | 4L197 |      |      |
| Replacement O-Ring for Oval Flange |                | 1SV   | 3SV | 5SV | 10SV  | 15SV | 22SV |
|                                    |                | 5K415 |     |     | 5L108 |      |      |

|                                    |  |
|------------------------------------|--|
| ¾" BSP with ¼" NPT Plug Connection |  |
| 4K536                              |  |

### e-SV Product Line

### Major Components 33SV - 92SV



| Pump Bodies |                   |       |       |       |      |
|-------------|-------------------|-------|-------|-------|------|
| Item Number | Flange Connection | 33SV  | 46SV  | 66SV  | 92SV |
| 14          | G Class 125       | 1L640 | 1L642 | 1L644 |      |
|             | G Class 250       | 1L641 | 1L643 | 1L645 |      |
|             | N Class 150       | 1L634 | 1L636 | 1L638 |      |
|             | N Class 300       | 1L635 | 1L637 | 1L639 |      |

| Mechanical Seal (Standard) * |                                     |        |      |      |      |
|------------------------------|-------------------------------------|--------|------|------|------|
| Item Number                  | Seal Type                           | 33SV   | 46SV | 66SV | 92SV |
| 20                           | 0 Seal Car/SilCar/Viton             | 10L38  |      |      |      |
|                              | 2 Seal SilCar/SilCar/Viton          | 10L39  |      |      |      |
|                              | 4 Seal SilCar/SilCar/EPR            | 10L37  |      |      |      |
|                              | 6 Seal Car/SilCar/EPR               | 10L40  |      |      |      |
|                              | 7 Cartridge Seal Car/SilCar/Viton   | 10K163 |      |      |      |
|                              | 8 Cartridge Seal SilCar/SilCar/EPDM | 10K166 |      |      |      |

\*For alternative seal options, please see pg. 17

| Vent Plug with O-Ring |                |      |      |      |      |
|-----------------------|----------------|------|------|------|------|
| Item Number           | Elastomer Type | 33SV | 46SV | 66SV | 92SV |
| 40                    | Viton          | 6L53 |      |      |      |
|                       | EPDM           | 6L49 |      |      |      |

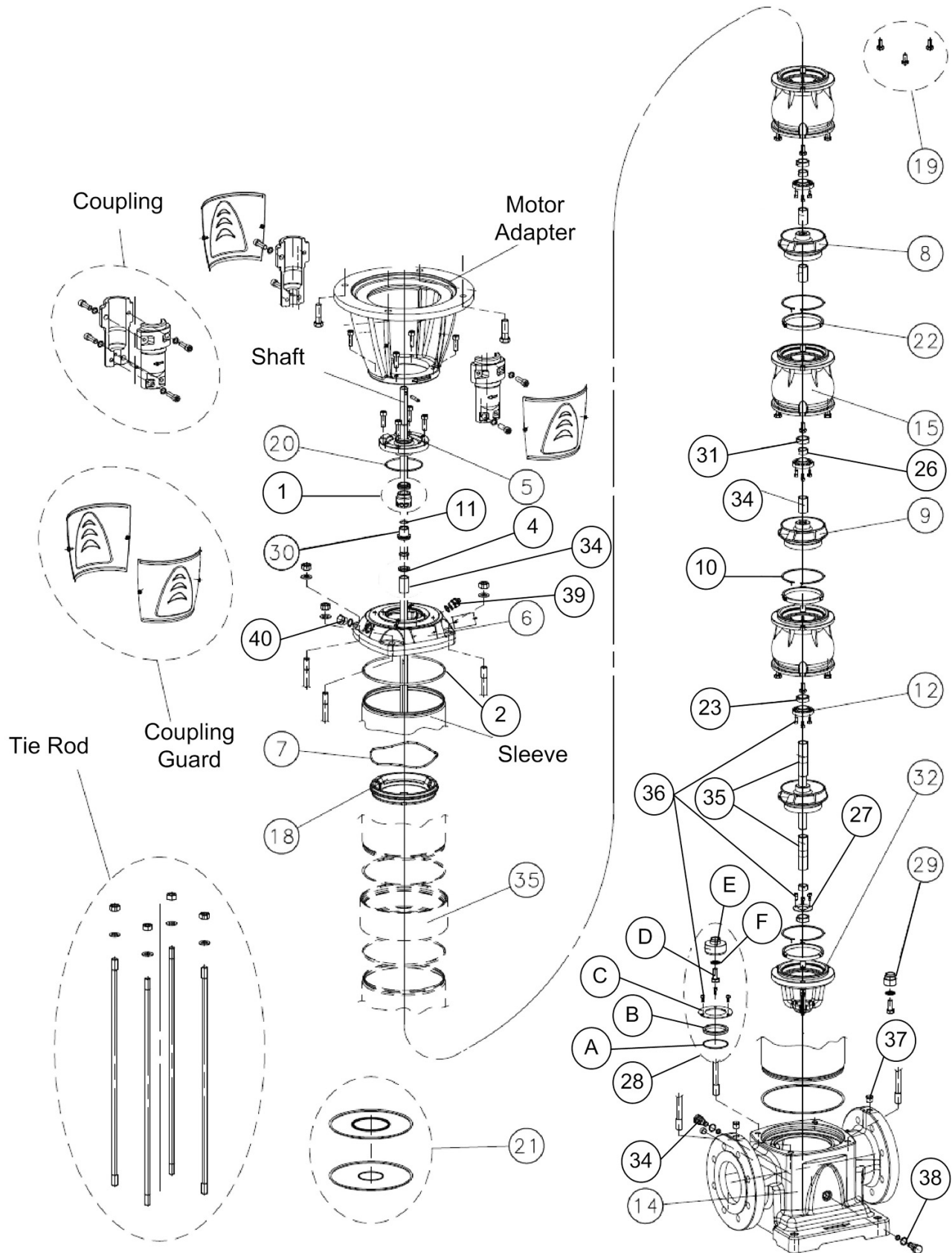
| Fill Plug with O-Ring |                |      |      |      |      |
|-----------------------|----------------|------|------|------|------|
| Item Number           | Elastomer Type | 33SV | 46SV | 66SV | 92SV |
| 41                    | Viton          | 6L52 |      |      |      |
|                       | EPDM           | 6L48 |      |      |      |

| Drain Plug with O-Ring |                |               |      |      |      |
|------------------------|----------------|---------------|------|------|------|
| Item Number            | Elastomer Type | 33SV          | 46SV | 66SV | 92SV |
| 42                     | Viton          | 6L54 (qty. 2) |      |      |      |
|                        | EPDM           | 6L50 (qty. 2) |      |      |      |

### e-SV Product Line Major Components 33SV - 92SV

| Miscellaneous Parts |                                      |                        |                        |                        |                        |      |
|---------------------|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------|
| Item Number         | Part Name                            | 33SV                   |                        | 46SV                   | 66SV                   | 92SV |
| 6                   | Pump Head - G                        | 1L632                  |                        |                        | 1L633                  |      |
|                     | Pump Head - N                        | 1L630                  |                        |                        | 1L631                  |      |
| 5                   | Seal Housing - G                     | 1L629                  |                        |                        |                        |      |
|                     | Seal Housing - N                     | 1L628                  |                        |                        |                        |      |
| 10                  | Seal Housing Screw                   | 13L127 (qty.4)         |                        |                        |                        |      |
| 28A                 | Impeller Bolt                        | 13L109                 |                        |                        |                        |      |
| 28B                 | Impeller Washer                      | 13L129                 |                        |                        |                        |      |
| 26                  | Final Spacer                         | 4L509                  |                        |                        |                        |      |
| 31                  | Impeller Spacer                      | 4L511                  |                        |                        |                        |      |
| 4                   | Lower Impeller Spacer                | -                      | -                      | 4L512                  |                        |      |
| 30                  | Mechanical Seal Shaft Sleeve         | 4L531                  |                        |                        |                        |      |
| 31                  | Impeller Stop Ring                   | 4L550                  |                        |                        |                        |      |
| 7                   | Diffuser Spring                      | 4L551                  |                        |                        | 4L552                  |      |
| 16                  | Final Stage Diffuser                 | 3L42                   |                        |                        | 3L43                   |      |
| 15                  | Carbon Bearing Diffuser              | 3L44                   | 3L45                   | 3L46                   | 3L47                   |      |
| 33                  | Tungsten Carbide Diffuser            | 3L48                   | 3L49                   | 3L50                   | 3L51                   |      |
| 25                  | Shaft Bushing Spacer                 | 4L510 (qty.2)          |                        |                        |                        |      |
| 24                  | Tungsten Carbide Bushing             | 4L514                  |                        |                        |                        |      |
| 23                  | Impeller/Diffuser Wear Ring (qty. 5) | 15L47                  | 15L48                  | 15L49                  | 15L50                  |      |
| 32                  | Lower Bracket Assembly - G           | 15L39                  | 15L40                  | 15L41                  | 15L42                  |      |
|                     | Lower Bracket Assembly - N           | 15L35                  | 15L36                  | 15L37                  | 15L38                  |      |
| 28                  | Complete Thrust Piston Assembly      | 15K51                  | 15K52                  | 15K53                  |                        |      |
| 28E                 | Piston                               | 4L494                  | 4L495                  | 4L496                  |                        |      |
| 28D                 | Piston Seal                          | 4L547                  | 4L548                  | 4L549                  |                        |      |
| 28F                 | Retaining Plate                      | 4L506                  | 4L507                  | 4L508                  |                        |      |
| 22                  | Plug, 33-92SV w/piston               | 6L47                   |                        |                        |                        |      |
| 28G                 | Hex Cap Screws                       | 13L114 (qty. 3)        |                        |                        |                        |      |
| 7                   | Tungsten Carbide Bushing             | 4L514                  |                        |                        |                        |      |
| -                   | Complete Non-Piston Assembly         | 15K54                  |                        |                        |                        |      |
| 29                  | Impeller Stack Bushing               | 4I513                  |                        |                        |                        |      |
| 22                  | Plug, 33-92SV w/o Piston             | 6L51                   |                        |                        |                        |      |
| 9                   | Full Diameter Impeller               | 2L899                  | 2L900                  | 2L901                  | 2L902                  |      |
| 8                   | Reduced Diameter Impeller            | 2L903                  | 2L904                  | 2L905                  | 2L906                  |      |
| -                   | Tie Rod Washer                       | 13K307                 |                        |                        |                        |      |
| -                   | Tie Rod Hex Nut                      | 13K366                 |                        |                        |                        |      |
| -                   | Shim Fork                            | 4L242                  |                        |                        |                        |      |
| 21                  | Complete O-Ring Kit - EPDM           | 5K374                  | 5K375                  | 5K378                  |                        |      |
|                     | Complete O-Ring Kit - Viton          | 5K376                  | 5K377                  | 5K379                  |                        |      |
| 27                  | Seal Housing O-Ring                  | 5K404 Viton 5K390 EPDM |                        |                        |                        |      |
| -                   | Mech. Seal Sleeve O-Ring             | 5K401 Viton 5K387 EPDM |                        |                        |                        |      |
| 3                   | Casing O-Ring                        | 5K407 Viton 5K393 EPDM |                        |                        | 5K408 Viton 5K394 EPDM |      |
| 28C                 | Piston O-Ring                        | 5K398 Viton 5K384 EPDM | 5K399 Viton 5K385 EPDM | 5K400 Viton 5K386 EPDM |                        |      |

### e-SV Product Line Major Components 125SV



## Commercial Water

### e-SV Product Line Major Components 125SV

| Item Number | Part Name                               | 125SV                     |        |
|-------------|-----------------------------------------|---------------------------|--------|
|             |                                         | 304                       | 316    |
| 28D         | Piston                                  | 4L496                     |        |
| 28B         | Piston Gasket                           | 4L549                     |        |
| 28A         | Piston O-Ring                           | 5K400 Viton<br>5K386 EPDM |        |
| 28C         | Piston Seal Holder                      | 4L508                     |        |
| 34          | Piston Hole Plug                        | 6L51                      |        |
| 2           | Sleeve O-Ring                           | 5K408 Viton<br>5K394 EPDM |        |
| 5           | Seal Housing                            | 1L629                     | 1L628  |
| 20          | Seal Gland O-Ring                       | 5K404 Viton<br>5K390 EPDM |        |
| 10          | Diffuser Wear Ring Support              | 4L624                     | 4K1011 |
| 7           | Diffuser Stack Spring                   | 4L552                     |        |
| 6           | Upper Head                              | 1L633                     | 1L631  |
| 30          | Mechanical Seal Bushing                 | 4L531                     | 4L672  |
| 26          | Shaft Bushing Tung. Carb.               | 4L514                     |        |
| 11          | Impeller Stop Ring                      | 4L550                     |        |
| 31          | Bushing Carb. Tung.                     | 4L514                     |        |
| 20          | Seal O-Ring                             | 5K401 Viton<br>5K387 EPDM |        |
| 27          | Bearing Holder                          | 4L660                     |        |
| 23          | Diffuser Bushing                        | 4L666                     |        |
| 18          | Adapter Ring                            | 1K715                     | 1K716  |
| 15          | Diffuser                                | 3K81                      | 3K82   |
| 22          | Diffuser Wear Ring                      | 4K1014                    | 4K1013 |
| 12          | Bushing Locking Cover                   | 4K1012                    |        |
| 9           | C Impeller 145mm                        | 2K1231                    | 2K1233 |
| 8           | A Impeller 141mm                        | 2K1235                    | 2K1236 |
|             | B Impeller 136mm                        | 2K1232                    | 2K1234 |
| 29          | Initial Impeller Spacer                 | 4L513                     |        |
| 34          | Intermediate Impeller Spacer            | 4K1017                    |        |
| 35          | Impeller Spacer                         | 4K1016                    |        |
| 4           | Final Impeller Spacer                   | 4K1015                    |        |
| 36          | Bushing / Piston Screw                  | 13L114                    |        |
| 32          | Bearing Spider                          | 1K713                     | 1K714  |
| 28F         | Initial Stage Washer                    | 13L129                    |        |
| 28D         | Impeller Stack Screw                    | 13L109                    |        |
| -           | Tie Rod Nuts                            | 13K366                    |        |
| -           | Tie Rod Washers                         | 13K307                    |        |
| 19          | Diffuser Screw                          | 13K429                    |        |
| -           | Initial Diffuser<br>Anti Rotation Screw | 13K418                    |        |
| -           | Coupling Shim                           | 4L242                     |        |
| -           | Fill Funnel                             | 4L247                     |        |
| 21          | Complete O-Ring Kit - EPDM              | 5K378                     |        |
|             | Complete O-Ring Kit - Viton             | 5K379                     |        |

| Pump Bodies |                       |       |     |
|-------------|-----------------------|-------|-----|
| Item Number | Part Name             | 125SV |     |
|             |                       | 304   | 316 |
| 14          | G Pump Body Class 125 | 1L666 |     |
|             | G Pump Body Class 250 | 1L667 |     |
|             | N Pump Body Class 150 | 1L668 |     |
|             | N Pump Body Class 300 | 1L669 |     |

| Mechanical Seals |                                     |        |
|------------------|-------------------------------------|--------|
| 1                | 0 Seal Car/SilCar/Viton             | 10L38  |
|                  | 2 Seal SilCar/SilCar/Viton          | 10L39  |
|                  | 4 Seal SilCar/SilCar/EPR            | 10L37  |
|                  | 6 Seal Car/SilCar/EPR               | 10L40  |
|                  | 7 Cartridge Seal Car/SilCar/Viton   | 10K163 |
|                  | 8 Cartridge Seal SilCar/SilCar/EPDM | 10K166 |
|                  | Cartridge Seal NPT Plug             | 6K162  |

| Mechanical Seals (Alternative)<br>Advanced Rotating Bellows |                            |        |
|-------------------------------------------------------------|----------------------------|--------|
| 1                                                           | 0 Seal Car/SilCar/Viton    | 10K199 |
|                                                             | 2 Seal SilCar/SilCar/Viton | 10K200 |
|                                                             | 4 Seal SilCar/SilCar/EPDM  | 10K198 |
|                                                             | 6 Seal Car/SilCar/EPDM     | 10K197 |

\*Please contact Factory for lead-time

| Vent Plug with O-Ring |                |       |
|-----------------------|----------------|-------|
| 39                    | Elastomer Type | 125SV |
|                       | Viton          | 6L53  |
|                       | EPDM           | 6L49  |

| Fill Plug with O-Ring |                |       |
|-----------------------|----------------|-------|
| 40                    | Elastomer Type | 125SV |
|                       | Viton          | 6L52  |
|                       | EPDM           | 6L48  |

| Drain Plug with O-Ring |                |               |
|------------------------|----------------|---------------|
| 38                     | Elastomer Type | 125SV         |
|                        | Viton          | 6L54 (qty. 2) |
|                        | EPDM           | 6L50 (qty. 2) |

| Flange Plug |              |               |
|-------------|--------------|---------------|
| 37          | 3/8" NPT 316 | 6L58 (qty. 2) |

### e-SV Product Line Shafts

| Stage | Shafts |        |        |        |        |        |       |       |       |       |       |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
|       | 1SV    | 3SV    | 5SV    | 10SV   | 15SV   | 22SV   | 33SV  | 46SV  | 66SV  | 92SV  | 125SV |
| 1     |        |        |        | 4K1102 | 4K1103 | 4K1103 | 4L516 | 4L516 | 4L525 | 4L525 | 4L614 |
| 2     | 4K1042 | 4K1042 | 4K1041 | 4K1102 | 4K1103 | 4K1103 | 4L517 | 4L517 | 4L526 | 4L526 | 4L615 |
| 3     | 4K1042 | 4K1042 | 4K1043 | 4K1103 | 4K1105 | 4K1105 | 4L518 | 4L518 | 4L527 | 4L527 | 4L616 |
| 4     | 4K1044 | 4K1044 | 4K1045 | 4K1104 | 4K1107 | 4K1107 | 4L519 | 4L519 | 4L528 | 4L528 | 4L617 |
| 5     | 4K1045 | 4K1045 | 4K1047 | 4K1106 | 4K1109 | 4K1109 | 4L520 | 4L520 | 4L529 | 4L529 | 4L618 |
| 6     | 4K1046 | 4K1046 | 4K1049 | 4K1107 | 4K1111 | 4K1111 | 4L521 | 4L521 | 4L530 | 4L530 | 4L696 |
| 7     | 4K1048 | 4K1048 | 4K1051 | 4K1108 | 4K1113 | 4K1113 | 4L522 | 4L522 |       |       | 4L708 |
| 8     | 4K1050 | 4K1050 | 4K1053 | 4K1110 | 4K1115 | 4K1115 | 4L523 | 4L523 |       |       | 4L684 |
| 9     | 4K1052 | 4K1052 | 4K1055 | 4K1111 | 4K1117 | 4K1117 | 4L524 | 4L524 |       |       |       |
| 10    | 4K1053 | 4K1053 | 4K1057 | 4K1112 | 4K1119 | 4K1119 | 4L578 | 4L578 |       |       |       |
| 11    | 4K1054 | 4K1054 | 4K1059 | 4K1114 | 4K1121 | 4K1121 |       |       |       |       |       |
| 12    | 4K1056 | 4K1056 | 4K1061 | 4K1115 | 4K1123 | 4K1123 |       |       |       |       |       |
| 13    | 4K1058 | 4K1058 | 4K1063 | 4K1116 | 4K1125 |        |       |       |       |       |       |
| 14    | 4K1060 | 4K1060 | 4K1065 | 4K1118 | 4K1127 |        |       |       |       |       |       |
| 15    | 4K1061 | 4K1061 | 4K1067 | 4K1119 | 4K1128 |        |       |       |       |       |       |
| 16    | 4K1062 | 4K1062 | 4K1069 | 4K1120 |        |        |       |       |       |       |       |
| 17    | 4K1064 | 4K1064 | 4K1071 | 4K1122 |        |        |       |       |       |       |       |
| 18    | 4K1066 | 4K1066 | 4K1073 | 4K1123 |        |        |       |       |       |       |       |
| 19    | 4K1068 | 4K1068 | 4K1075 | 4K1124 |        |        |       |       |       |       |       |
| 20    | 4K1069 | 4K1069 | 4K1077 | 4K1126 |        |        |       |       |       |       |       |
| 21    | 4K1070 | 4K1070 | 4K1079 |        |        |        |       |       |       |       |       |
| 22    | 4K1072 | 4K1072 | 4K1081 |        |        |        |       |       |       |       |       |
| 23    | 4K1074 | 4K1074 | 4K1083 |        |        |        |       |       |       |       |       |
| 24    | 4K1076 | 4K1076 | 4K1085 |        |        |        |       |       |       |       |       |
| 25    | 4K1077 | 4K1077 | 4K1087 |        |        |        |       |       |       |       |       |
| 26    | 4K1078 | 4K1078 | 4K1089 |        |        |        |       |       |       |       |       |
| 27    | 4K1080 | 4K1080 | 4K1091 |        |        |        |       |       |       |       |       |
| 28    | 4K1082 | 4K1082 |        |        |        |        |       |       |       |       |       |
| 29    | 4K1084 | 4K1084 |        |        |        |        |       |       |       |       |       |
| 30    | 4K1085 | 4K1085 |        |        |        |        |       |       |       |       |       |

## Commercial Water

### e-SV Product Line Casings

| Stage | 25 Bar (368 PSI) Single Wall Casings |       |       |       |       |       |       |       |       |       |                         |
|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------|
|       | 1SV                                  | 3SV   | 5SV   | 10SV  | 15SV  | 22SV  | 33SV  | 46SV  | 66SV  | 92SV  | 125SV*                  |
| 1     |                                      |       |       | 1K780 | 1K781 | 1K781 | 4L532 | 4L532 | 4L541 | 4L541 | 1L845                   |
| 2     | 1K719                                | 1K719 | 1K718 | 1K780 | 1K781 | 1K781 | 4L533 | 4L533 | 4L542 | 4L542 | 1L846                   |
| 3     | 1K719                                | 1K719 | 1K720 | 1K781 | 1K783 | 1K783 | 4L534 | 4L534 | 4L543 | 4L543 | 1L847                   |
| 4     | 1K721                                | 1K721 | 1K722 | 1K782 | 1K785 | 1K785 | 4L535 | 4L535 | 4L544 | 4L544 | 1L848                   |
| 5     | 1K722                                | 1K722 | 1K724 | 1K784 | 1K787 | 1K787 | 4L536 | 4L536 | 4L545 | 4L545 | 1L849                   |
| 6     | 1K723                                | 1K723 | 1K726 | 1K785 | 1K789 | 1K789 | 4L537 | 4L537 | 4L546 | 4L546 | 1L865                   |
| 7     | 1K725                                | 1K725 | 1K728 | 1K786 | 1K791 | 1K791 | 4L538 | 4L538 |       |       | 1L847<br>4L546<br>1L858 |
| 8     | 1K727                                | 1K727 | 1K730 | 1K788 | 1K793 | 1K793 | 4L539 | 4L539 |       |       | 1L848<br>4L546<br>1L858 |
| 9     | 1K729                                | 1K729 | 1K732 | 1K789 | 1K795 | 1K795 | 4L540 | 4L540 |       |       |                         |
| 10    | 1K730                                | 1K730 | 1K734 | 1K790 | 1K797 | 1K797 | 4L577 | 4L577 |       |       |                         |
| 11    | 1K731                                | 1K731 | 1K736 | 1K792 | 1K799 | 1K799 |       |       |       |       |                         |
| 12    | 1K733                                | 1K733 | 1K738 | 1K793 | 1K801 | 1K801 |       |       |       |       |                         |
| 13    | 1K735                                | 1K735 | 1K740 | 1K794 | 1K803 |       |       |       |       |       |                         |
| 14    | 1K737                                | 1K737 | 1K742 | 1K796 | 1K805 |       |       |       |       |       |                         |
| 15    | 1K738                                | 1K738 | 1K744 | 1K797 | 1K806 |       |       |       |       |       |                         |
| 16    | 1K739                                | 1K739 | 1K746 | 1K798 |       |       |       |       |       |       |                         |
| 17    | 1K741                                | 1K741 | 1K748 | 1K800 |       |       |       |       |       |       |                         |
| 18    | 1K743                                | 1K743 | 1K750 | 1K801 |       |       |       |       |       |       |                         |
| 19    | 1K745                                | 1K745 | 1K752 | 1K802 |       |       |       |       |       |       |                         |
| 20    | 1K746                                | 1K746 | 1K754 | 1K804 |       |       |       |       |       |       |                         |
| 21    | 1K747                                | 1K747 | 1K756 |       |       |       |       |       |       |       |                         |
| 22    | 1K749                                | 1K749 | 1K758 |       |       |       |       |       |       |       |                         |
| 23    | 1K751                                | 1K751 | 1K760 |       |       |       |       |       |       |       |                         |
| 24    | 1K753                                | 1K753 | 1K762 |       |       |       |       |       |       |       |                         |
| 25    | 1K754                                | 1K754 | 1K764 |       |       |       |       |       |       |       |                         |
| 26    | 1K755                                | 1K755 | 1K766 |       |       |       |       |       |       |       |                         |
| 27    | 1K757                                | 1K757 | 1K768 |       |       |       |       |       |       |       |                         |
| 28    | 1K759                                | 1K759 |       |       |       |       |       |       |       |       |                         |
| 29    | 1K761                                | 1K761 |       |       |       |       |       |       |       |       |                         |
| 30    | 1K762                                | 1K762 |       |       |       |       |       |       |       |       |                         |

\* 125SV - For 7-8 stage pumps (2) casings and (1) sleeve ring required.

#### R Config Casing

| Stage | 1SV   | 3SV   | 5SV   | 10SV  | 15SV  | 22SV  | Stage | 1SV   | 3SV   | 5SV   | 10SV  | 15SV | 22SV |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1     |       |       |       |       |       |       | 16    | 1L745 | 1L745 | 1L752 | 1L800 |      |      |
| 2     |       |       |       |       |       |       | 17    | 1L747 | 1L747 | 1L754 | 1L802 |      |      |
| 3     |       |       |       |       |       |       | 18    | 1L749 | 1L749 | 1L756 | 1L803 |      |      |
| 4     |       |       |       |       | 1L787 | 1L787 | 19    | 1L751 | 1L751 | 1L758 | 1L804 |      |      |
| 5     |       |       |       | 1L786 | 1L789 | 1L789 | 20    | 1L752 | 1L752 | 1L760 | 1L806 |      |      |
| 6     |       |       |       | 1L787 | 1L791 | 1L791 | 21    | 1L753 | 1L753 | 1L762 |       |      |      |
| 7     |       |       | 1L734 | 1L788 | 1L793 | 1L793 | 22    | 1L755 | 1L755 | 1L764 |       |      |      |
| 8     | 1L733 | 1L733 | 1L736 | 1L790 | 1L795 | 1L795 | 23    | 1L757 | 1L757 | 1L766 |       |      |      |
| 9     | 1L735 | 1L735 | 1L738 | 1L791 | 1L797 | 1L797 | 24    | 1L759 | 1L759 | 1L768 |       |      |      |
| 10    | 1L736 | 1L736 | 1L740 | 1L792 | 1L799 | 1L799 | 25    | 1L760 | 1L760 | 1L770 |       |      |      |
| 11    | 1L737 | 1L737 | 1L742 | 1L794 | 1L801 | 1L801 | 26    | 1L761 | 1L761 | 1L772 |       |      |      |
| 12    | 1L739 | 1L739 | 1L744 | 1L795 | 1L803 | 1L803 | 27    | 1L763 | 1L763 | 1L774 |       |      |      |
| 13    | 1L741 | 1L741 | 1L746 | 1L796 | 1L805 |       | 28    | 1L765 | 1L765 |       |       |      |      |
| 14    | 1L743 | 1L743 | 1L748 | 1L798 | 1L807 |       | 29    | 1L767 | 1L767 |       |       |      |      |
| 15    | 1L744 | 1L744 | 1L750 | 1L799 | 1L808 |       | 30    | 1L768 | 1L768 |       |       |      |      |

### e-SV Product Line Casings

| Stage | 40 Bar (580 PSI) Double Wall Casings |       |       |       |       |       |       |       |       |       |                         |
|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------|
|       | 1SV                                  | 3SV   | 5SV   | 10SV  | 15SV  | 22SV  | 33SV  | 46SV  | 66SV  | 92SV  | 125SV*                  |
| 1     |                                      |       |       | 1L811 | 1L812 | 1L812 | 4L497 | 4L497 | 4L585 | 4L585 | 1L868                   |
| 2     | 1L671                                | 1L671 | 1L670 | 1L811 | 1L812 | 1L812 | 4L498 | 4L498 | 4L586 | 4L586 | 1L870                   |
| 3     | 1L671                                | 1L671 | 1L672 | 1L812 | 1L814 | 1L814 | 4L499 | 4L499 | 4L587 | 4L587 | 1L872                   |
| 4     | 1L673                                | 1L673 | 1L674 | 1L813 | 1L816 | 1L816 | 4L500 | 4L500 | 4L580 | 4L580 | 1L874                   |
| 5     | 1L674                                | 1L674 | 1L676 | 1L815 | 1L818 | 1L818 | 4L501 | 4L501 | 4L581 | 4L581 | 1L868<br>4L582<br>1L858 |
| 6     | 1L675                                | 1L675 | 1L678 | 1L816 | 1L820 | 1L820 | 4L502 | 4L502 | 4L582 | 4L582 | 1L870<br>4L582<br>1L858 |
| 7     | 1L677                                | 1L677 | 1L680 | 1L817 | 1L822 | 1L822 | 4L503 | 4L503 |       |       | 1L872<br>4L582<br>1L858 |
| 8     | 1L679                                | 1L679 | 1L682 | 1L819 | 1L824 | 1L824 | 4L504 | 4L504 |       |       | 1L874<br>4L582<br>1L858 |
| 9     | 1L681                                | 1L681 | 1L684 | 1L820 | 1L826 | 1L826 | 4L505 | 4L505 |       |       |                         |
| 10    | 1L682                                | 1L682 | 1L686 | 1L821 | 1L828 | 1L828 | 4L579 | 4L579 |       |       |                         |
| 11    | 1L683                                | 1L683 | 1L688 | 1L823 | 1L830 | 1L830 |       |       |       |       |                         |
| 12    | 1L685                                | 1L685 | 1L690 | 1L824 | 1L832 | 1L832 |       |       |       |       |                         |
| 13    | 1L687                                | 1L687 | 1L692 | 1L825 | 1L834 |       |       |       |       |       |                         |
| 14    | 1L689                                | 1L689 | 1L694 | 1L827 | 1L836 |       |       |       |       |       |                         |
| 15    | 1L690                                | 1L690 | 1L696 | 1L828 | 1L838 |       |       |       |       |       |                         |
| 16    | 1L691                                | 1L691 | 1L698 | 1L829 |       |       |       |       |       |       |                         |
| 17    | 1L693                                | 1L693 | 1L700 | 1L831 |       |       |       |       |       |       |                         |
| 18    | 1L695                                | 1L695 | 1L702 | 1L832 |       |       |       |       |       |       |                         |
| 19    | 1L697                                | 1L697 | 1L704 | 1L833 |       |       |       |       |       |       |                         |
| 20    | 1L698                                | 1L698 | 1L706 | 1L835 |       |       |       |       |       |       |                         |
| 21    | 1L699                                | 1L699 | 1L708 |       |       |       |       |       |       |       |                         |
| 22    | 1L701                                | 1L701 | 1L710 |       |       |       |       |       |       |       |                         |
| 23    | 1L703                                | 1L703 | 1L712 |       |       |       |       |       |       |       |                         |
| 24    | 1L705                                | 1L705 | 1L714 |       |       |       |       |       |       |       |                         |
| 25    | 1L706                                | 1L706 | 1L716 |       |       |       |       |       |       |       |                         |
| 26    | 1L707                                | 1L707 | 1L718 |       |       |       |       |       |       |       |                         |
| 27    | 1L709                                | 1L709 | 1L720 |       |       |       |       |       |       |       |                         |
| 28    | 1L711                                | 1L711 |       |       |       |       |       |       |       |       |                         |
| 29    | 1L713                                | 1L713 |       |       |       |       |       |       |       |       |                         |
| 30    | 1L714                                | 1L714 |       |       |       |       |       |       |       |       |                         |

\* 125SV - For 5-8 stage pumps (2) casings and (1) sleeve ring required.

### e-SV Product Line Tie Rods

| Tie Rods - Fabricated Pump Bodies |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Stage                             | 1SV   | 3SV   | 5SV   | 10SV  | 15SV  | 22SV  |
| 1                                 |       |       |       | 4K946 | 4K947 | 4K947 |
| 2                                 | 4K822 | 4K822 | 4K821 | 4K946 | 4K947 | 4K947 |
| 3                                 | 4K822 | 4K822 | 4K823 | 4K947 | 4K949 | 4K949 |
| 4                                 | 4K824 | 4K824 | 4K825 | 4K948 | 4K951 | 4K951 |
| 5                                 | 4K825 | 4K825 | 4K827 | 4K950 | 4K953 | 4K953 |
| 6                                 | 4K826 | 4K826 | 4K829 | 4K951 | 4K955 | 4K955 |
| 7                                 | 4K828 | 4K828 | 4K831 | 4K952 | 4K957 | 4K957 |
| 8                                 | 4K830 | 4K830 | 4K833 | 4K954 | 4K959 | 4K959 |
| 9                                 | 4K832 | 4K832 | 4K835 | 4K955 | 4K961 | 4K961 |
| 10                                | 4K833 | 4K833 | 4K837 | 4K956 | 4K963 | 4K963 |
| 11                                | 4K834 | 4K834 | 4K839 | 4K958 | 4K965 | 4K965 |
| 12                                | 4K836 | 4K836 | 4K841 | 4K959 | 4K967 | 4K967 |
| 13                                | 4K838 | 4K838 | 4K843 | 4K960 | 4K969 |       |
| 14                                | 4K840 | 4K840 | 4K845 | 4K962 | 4K971 |       |
| 15                                | 4K841 | 4K841 | 4K847 | 4K963 | 4K972 |       |
| 16                                | 4K842 | 4K842 | 4K849 | 4K964 |       |       |
| 17                                | 4K844 | 4K844 | 4K851 | 4K966 |       |       |
| 18                                | 4K846 | 4K846 | 4K853 | 4K967 |       |       |
| 19                                | 4K848 | 4K848 | 4K855 | 4K968 |       |       |
| 20                                | 4K849 | 4K849 | 4K857 | 4K970 |       |       |
| 21                                | 4K850 | 4K850 | 4K859 |       |       |       |
| 22                                | 4K852 | 4K852 | 4K861 |       |       |       |
| 23                                | 4K854 | 4K854 | 4K863 |       |       |       |
| 24                                | 4K856 | 4K856 | 4K865 |       |       |       |
| 25                                | 4K857 | 4K857 | 4K867 |       |       |       |
| 26                                | 4K858 | 4K858 | 4K869 |       |       |       |
| 27                                | 4K860 | 4K860 | 4K871 |       |       |       |
| 28                                | 4K862 | 4K862 |       |       |       |       |
| 29                                | 4K864 | 4K864 |       |       |       |       |
| 30                                | 4K865 | 4K865 |       |       |       |       |

### e-SV Product Line Tie Rods

| Tie Rods - Cast Pump Bodies |       |       |       |       |        |       |       |       |       |       |        |
|-----------------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| Stage                       | 1SV   | 3SV   | 5SV   | 10SV  | 15SV   | 22SV  | 33SV  | 46SV  | 66SV  | 92SV  | 125SV  |
| 1                           |       |       |       | 4K975 | 4K976  | 4K976 | 4L557 | 4L557 | 4L570 | 4L570 | 4K1029 |
| 2                           | 4K885 | 4K885 | 4K884 | 4K975 | 4K976  | 4K976 | 4L558 | 4L558 | 4L571 | 4L571 | 4K1030 |
| 3                           | 4K885 | 4K885 | 4K886 | 4K976 | 4K978  | 4K978 | 4L559 | 4L559 | 4L572 | 4L572 | 4K1031 |
| 4                           | 4K887 | 4K887 | 4K888 | 4K977 | 4K980  | 4K980 | 4L560 | 4L560 | 4L573 | 4L573 | 4K1032 |
| 5                           | 4K888 | 4K888 | 4K890 | 4K979 | 4K982  | 4K982 | 4L561 | 4L561 | 4L562 | 4L562 | 4K1033 |
| 6                           | 4K889 | 4K889 | 4K892 | 4K980 | 4K984  | 4K984 | 4L562 | 4L562 | 4L574 | 4L574 | 4K1034 |
| 7                           | 4K891 | 4K891 | 4K894 | 4K981 | 4K986  | 4K986 | 4L563 | 4L563 |       |       | 4K1035 |
| 8                           | 4K893 | 4K893 | 4K896 | 4K983 | 4K988  | 4K988 | 4L564 | 4L564 |       |       | 4K1132 |
| 9                           | 4K895 | 4K895 | 4K898 | 4K984 | 4K990  | 4K990 | 4L565 | 4L565 |       |       |        |
| 10                          | 4K896 | 4K896 | 4K900 | 4K985 | 4K992  | 4K992 | 4L566 | 4L566 |       |       |        |
| 11                          | 4K897 | 4K897 | 4K902 | 4K987 | 4K994  | 4K994 |       |       |       |       |        |
| 12                          | 4K899 | 4K899 | 4K904 | 4K988 | 4K996  | 4K996 |       |       |       |       |        |
| 13                          | 4K901 | 4K901 | 4K906 | 4K989 | 4K998  |       |       |       |       |       |        |
| 14                          | 4K903 | 4K903 | 4K908 | 4K991 | 4K1000 |       |       |       |       |       |        |
| 15                          | 4K904 | 4K904 | 4K910 | 4K992 | 4K1001 |       |       |       |       |       |        |
| 16                          | 4K905 | 4K905 | 4K912 | 4K993 |        |       |       |       |       |       |        |
| 17                          | 4K907 | 4K907 | 4K914 | 4K995 |        |       |       |       |       |       |        |
| 18                          | 4K909 | 4K909 | 4K916 | 4K996 |        |       |       |       |       |       |        |
| 19                          | 4K911 | 4K911 | 4K918 | 4K997 |        |       |       |       |       |       |        |
| 20                          | 4K912 | 4K912 | 4K920 | 4K999 |        |       |       |       |       |       |        |
| 21                          | 4K913 | 4K913 | 4K922 |       |        |       |       |       |       |       |        |
| 22                          | 4K915 | 4K915 | 4K924 |       |        |       |       |       |       |       |        |
| 23                          | 4K917 | 4K917 | 4K926 |       |        |       |       |       |       |       |        |
| 24                          | 4K919 | 4K919 | 4K928 |       |        |       |       |       |       |       |        |
| 25                          | 4K920 | 4K920 | 4K930 |       |        |       |       |       |       |       |        |
| 26                          | 4K921 | 4K921 | 4K932 |       |        |       |       |       |       |       |        |
| 27                          | 4K923 | 4K923 | 4K934 |       |        |       |       |       |       |       |        |
| 28                          | 4K925 | 4K925 |       |       |        |       |       |       |       |       |        |
| 29                          | 4K927 | 4K927 |       |       |        |       |       |       |       |       |        |
| 30                          | 4K928 | 4K928 |       |       |        |       |       |       |       |       |        |

### Low NPSH Conversion Kits \* †

| Kit Number | Description                                            |
|------------|--------------------------------------------------------|
| 2L931      | 1SV Low NPSH Conversion Kit                            |
| 2L932      | 3SV Low NPSH Conversion Kit                            |
| 2L933      | 5SV Low NPSH Conversion Kit                            |
| 2L934      | 10SV Low NPSH Conversion Kit                           |
| 2L935      | 15/22SV LowNPSH Conversion Kit                         |
| 2L937      | 33SV LowNPSH Conversion Kit "G" Configuration          |
| 2L938      | 33SV LowNPSH Conversion Kit "N" Configuration          |
| 2L939      | 46SV Low NPSH Conversion Kit "G" and "N" Configuration |
| 2L940      | 66SV LowNPSH Conversion Kit "G" Configuration          |
| 2L941      | 66SV LowNPSH Conversion Kit "N" Configuration          |

\* Kits do not contain o-rings, please order separately.

† Installation of a Low-NPSH kit will alter pump performance and power requirements. Contact factory for application information.

### e-SV Product Line Horizontal Mounting

| Model | Shims by frame size for ALL CONFIGS EXCEPT R |        |        |       |        |        |        |
|-------|----------------------------------------------|--------|--------|-------|--------|--------|--------|
|       | 56C                                          | 180TC  | 210TC  | 250TC | 280TC  | 320TSC | 360TSC |
| 1SV   | 13K249                                       |        |        |       |        |        |        |
| 3SV   | 13K249                                       | -      | 13K248 |       |        |        |        |
| 5SV   | 13K249                                       | -      | 13K248 |       |        |        |        |
| 10SV  | 13K431                                       | 13K346 | 13K249 | -     |        |        |        |
| 15SV  | 13K431                                       | 13K346 | 13K249 | -     | 13K248 |        |        |
| 22SV  | 13K431                                       | 13K346 | 13K249 | -     | 13K248 |        |        |
| 33SV  | -                                            | 9K440  | 9K441  | 9K442 | 13K249 | 13K249 | -      |
| 46SV  | -                                            | 9K440  | 9K441  | 9K442 | 13K249 | 13K249 | -      |
| 66SV  | -                                            | 9K440  | 9K441  | 9K442 | 13K249 | 13K249 | -      |
| 92SV  | -                                            | 9K440  | 9K441  | 9K442 | 13K249 | 13K249 | -      |

| Model | Shims by frame size for R CONFIG ONLY |       |        |        |        |        |        |
|-------|---------------------------------------|-------|--------|--------|--------|--------|--------|
|       | 56C                                   | 180TC | 210TC  | 250TC  | 280TC  | 320TSC | 360TSC |
| 1SV   | 13K249                                |       |        |        |        |        |        |
| 3SV   | 13K249                                | -     | 13K248 |        |        |        |        |
| 5SV   | 13K249                                | -     | 13K248 |        |        |        |        |
| 10SV  | 13K249                                | -     | 13K248 | 13K346 |        |        |        |
| 15SV  | 13K249                                | -     | 13K248 | 13K346 | 13K430 |        |        |
| 22SV  | 13K249                                | -     | 13K248 | 13K346 | 13K430 |        |        |
| 33SV  |                                       |       |        |        |        |        |        |
| 46SV  |                                       |       |        |        |        |        |        |
| 66SV  |                                       |       |        |        |        |        |        |
| 92SV  |                                       |       |        |        |        |        |        |

| Horizontal Mounting Foot |                  |      |
|--------------------------|------------------|------|
|                          | T, F, N, P, G, C | R    |
| 1SV                      | 9L92             | 9L93 |
| 3SV                      | 9L92             | 9L93 |
| 5SV                      | 9L92             | 9L93 |
| 10SV                     | 9L90             | 9L91 |
| 15SV                     | 9L90             | 9L91 |
| 22SV                     | 9L90             | 9L91 |
| 33SV                     | 9K442            |      |
| 46SV                     | 9K443            |      |
| 66SV                     | 9K443            |      |
| 92SV                     | 9K443            |      |

# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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