

# SA-300 300 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	100 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	80

## Dimensions (inches)

A	32 <sup>3</sup> / <sub>4</sub>
B	12 <sup>1</sup> / <sub>8</sub>
C	57
D	130 <sup>1</sup> / <sub>4</sub>
E	24 <sup>1</sup> / <sub>8</sub>
F (I.D.)	48
G (O.D.)	53 <sup>1</sup> / <sub>8</sub>
H (nozzle elevations):	
2" nozzle (on the cover)	19
3" nozzle	11
4" nozzle	11 <sup>1</sup> / <sub>4</sub>
6" nozzle	12 <sup>1</sup> / <sub>4</sub>

## Capacity (gallons)

Working	300
Total Volume	378
Head Volume	62
Per Inch Straight Side	7.83

## Weight (pounds)

Bare Body (no accessories)	3,900
Complete (with drive system)	5,000
Add for Shipping	1,000

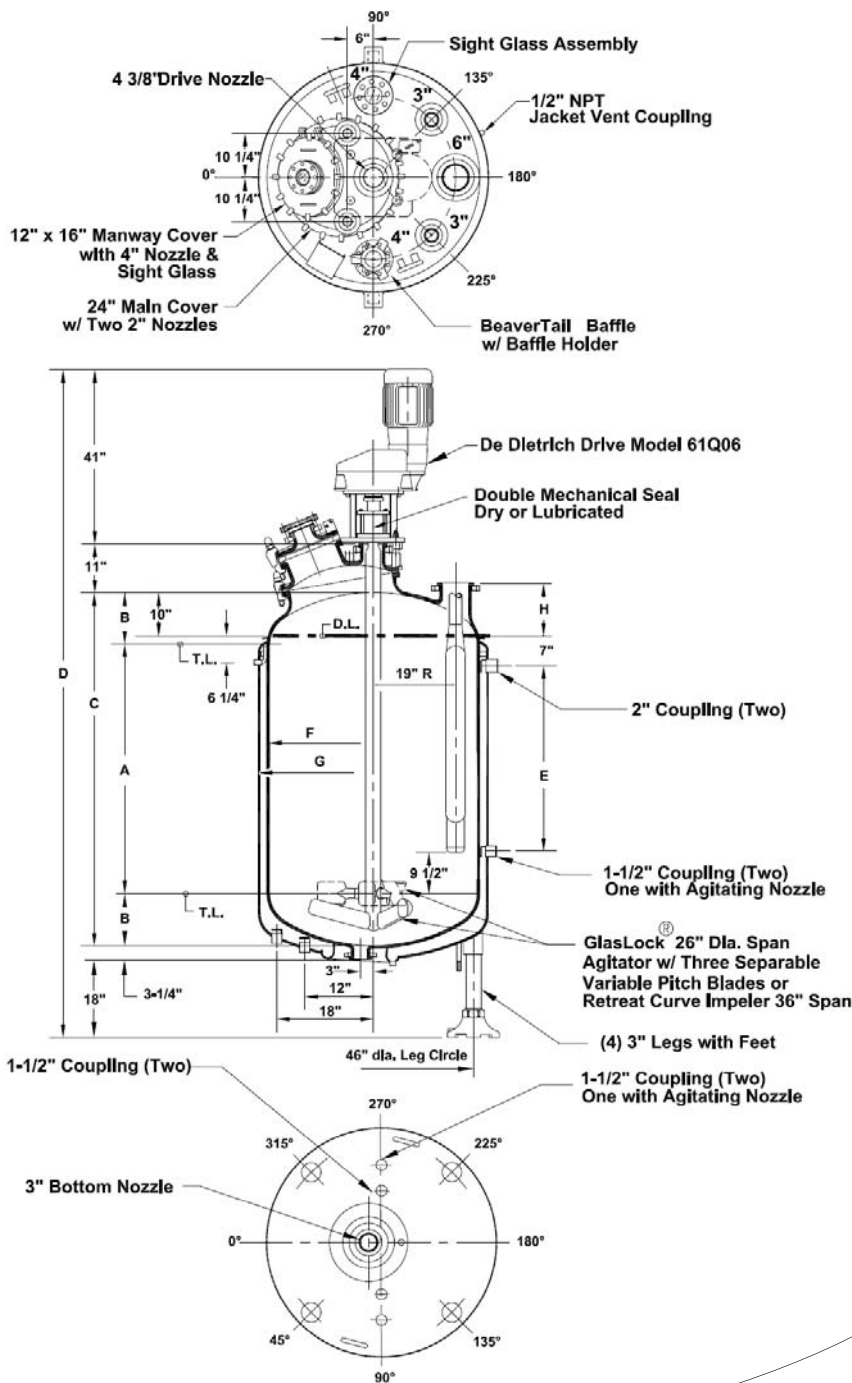
## Series 60 Drive

Motor	3HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

## GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	26/36
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



# SA-500 500 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	100 or 100 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	80

## Dimensions (inches)

A	57 <sup>3</sup> / <sub>4</sub>
B	12 <sup>1</sup> / <sub>8</sub>
C	82
D	155 <sup>1</sup> / <sub>4</sub>
E	43
F (I.D.)	48
G (O.D.)	53 <sup>1</sup> / <sub>8</sub>
H (nozzle elevations):	
2" nozzle (on the cover)	19
3" nozzle	11
4" nozzle	11 <sup>1</sup> / <sub>4</sub>
6" nozzle	12 <sup>1</sup> / <sub>4</sub>

## Capacity (gallons)

Working	500
Total Volume	572
Head Volume	62
Per Inch Straight Side	7.83

## Weight (pounds)

Bare Body (no accessories)	5,000
Complete (with drive system)	6,100
Add for Shipping	1,000

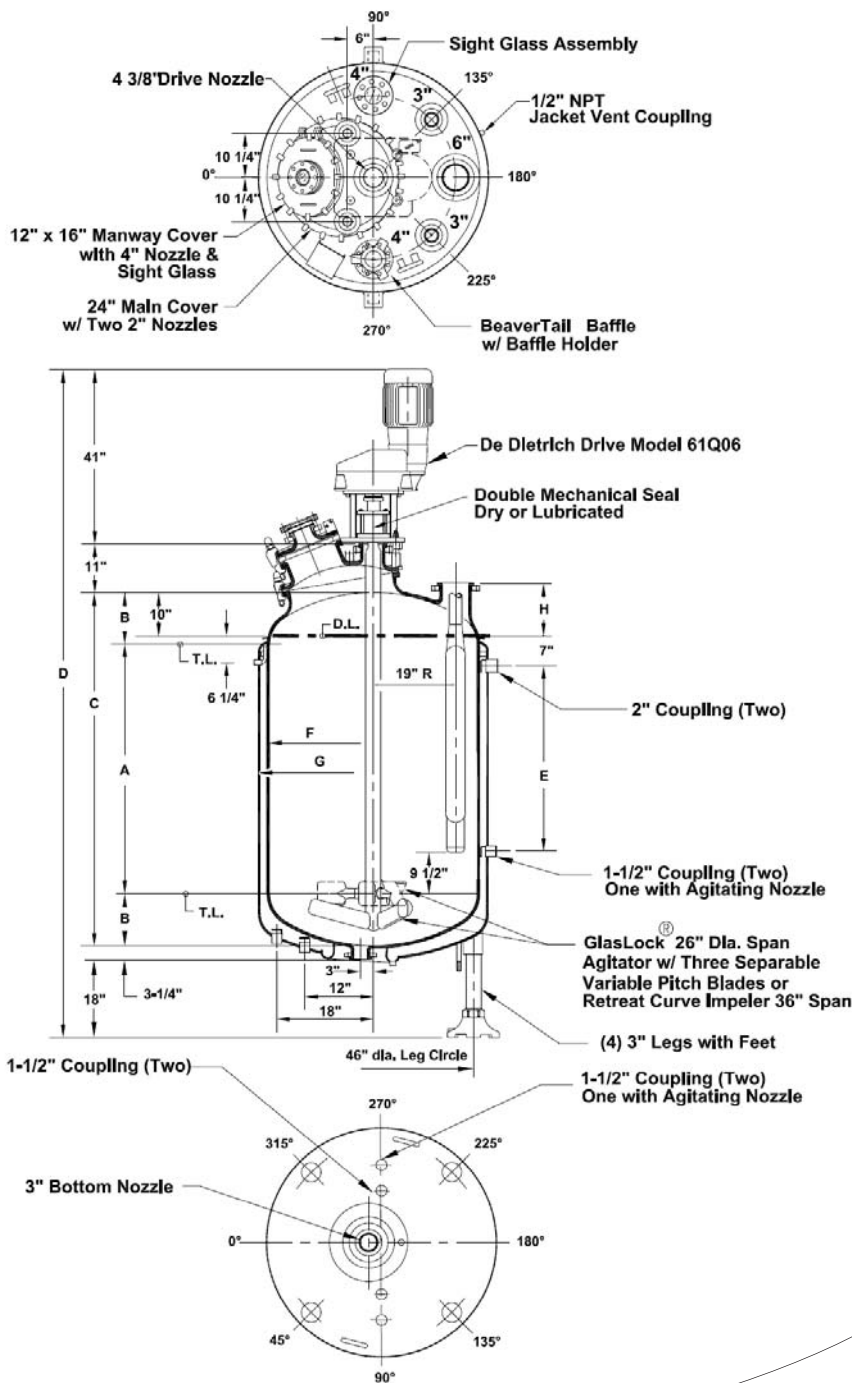
## Series 60 Drive

Motor	5HP
Motor Type	XP
Drive Size	61Q06

- Three Year Warranty
- Low Noise Level
- Helical Gearing

## GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	26/36
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



# SA-750

## 750 GALLON JACKETED GLASS-LINED STEEL REACTOR



## Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	100

### Dimensions (inches)

A	50 <sup>3</sup> / <sub>4</sub>
B	15 <sup>5</sup> / <sub>8</sub>
C	82
D	162
E	24 <sup>3</sup> / <sub>4</sub>
F (I.D.)	61 <sup>7</sup> / <sub>16</sub>
G (O.D.)	66 <sup>15</sup> / <sub>16</sub>
H (nozzle elevations):	
3" nozzle (on the cover)	22 <sup>1</sup> / <sub>4</sub>
4" nozzle	14
8" nozzle	15 <sup>1</sup> / <sub>4</sub>

### Capacity (gallons)

Working	750
Total Volume	907
Head Volume	130
Per Inch Straight Side	12.8

## Weight (pounds)

Bare Body (no accessories)	7,100
Complete (with drive system)	8,300
Add for Shipping	1,000

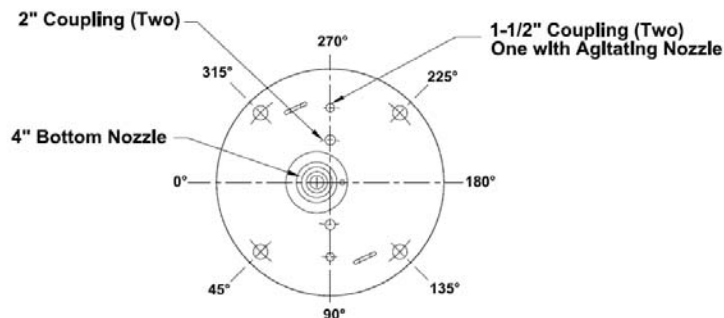
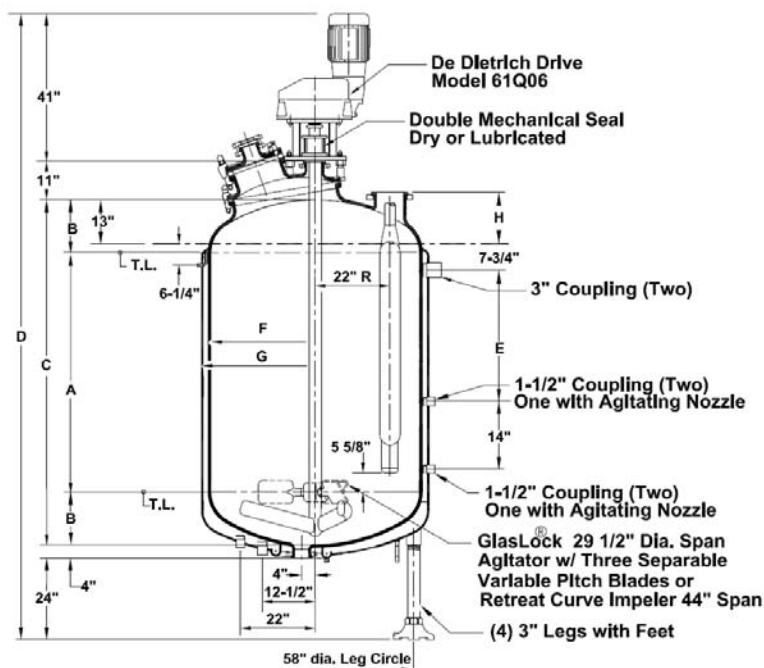
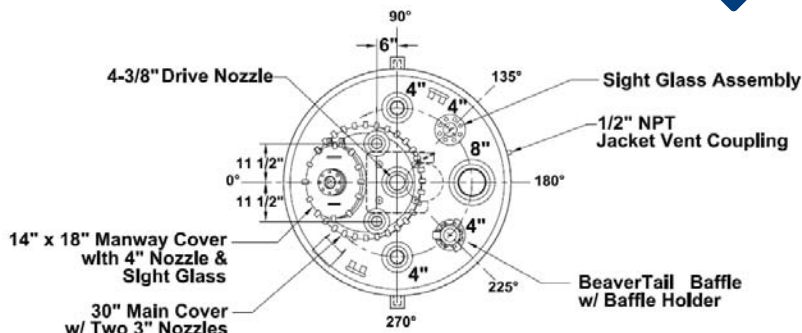
## Series 60 Drive

Motor	7 1/2HP
Motor Type	XP
Drive Size	61006

- Three Year Warranty
- Low Noise Level
- Helical Gearing

## GlasLock® Agitator or Retreat Curve Impeller

Span (inches) 29 1/2 / 44  
Speed (standard speed) 125 RPM  
• Clockwise or Counterclockwise Rotation  
• Optional Low Level Agitation



# SA-1000

## 1,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	127

### Dimensions (inches)

A	70 <sup>3</sup> / <sub>4</sub>
B	15 <sup>5</sup> / <sub>8</sub>
C	102
D	184 <sup>1</sup> / <sub>2</sub>
E	38 <sup>3</sup> / <sub>4</sub>
F (I.D.)	61 <sup>7</sup> / <sub>16</sub>
G (O.D.)	66 <sup>15</sup> / <sub>16</sub>
H (nozzle elevations):	
3" nozzle (on the cover)	22 <sup>1</sup> / <sub>4</sub>
4" nozzle	14
8" nozzle	15 <sup>1</sup> / <sub>4</sub>

### Capacity (gallons)

Working	1,000
Total Volume	1,163
Head Volume	130
Per Inch Straight Side	12.8

### Weight (pounds)

Bare Body (no accessories)	8,300
Complete (with drive system)	9,900
Add for Shipping	1,500

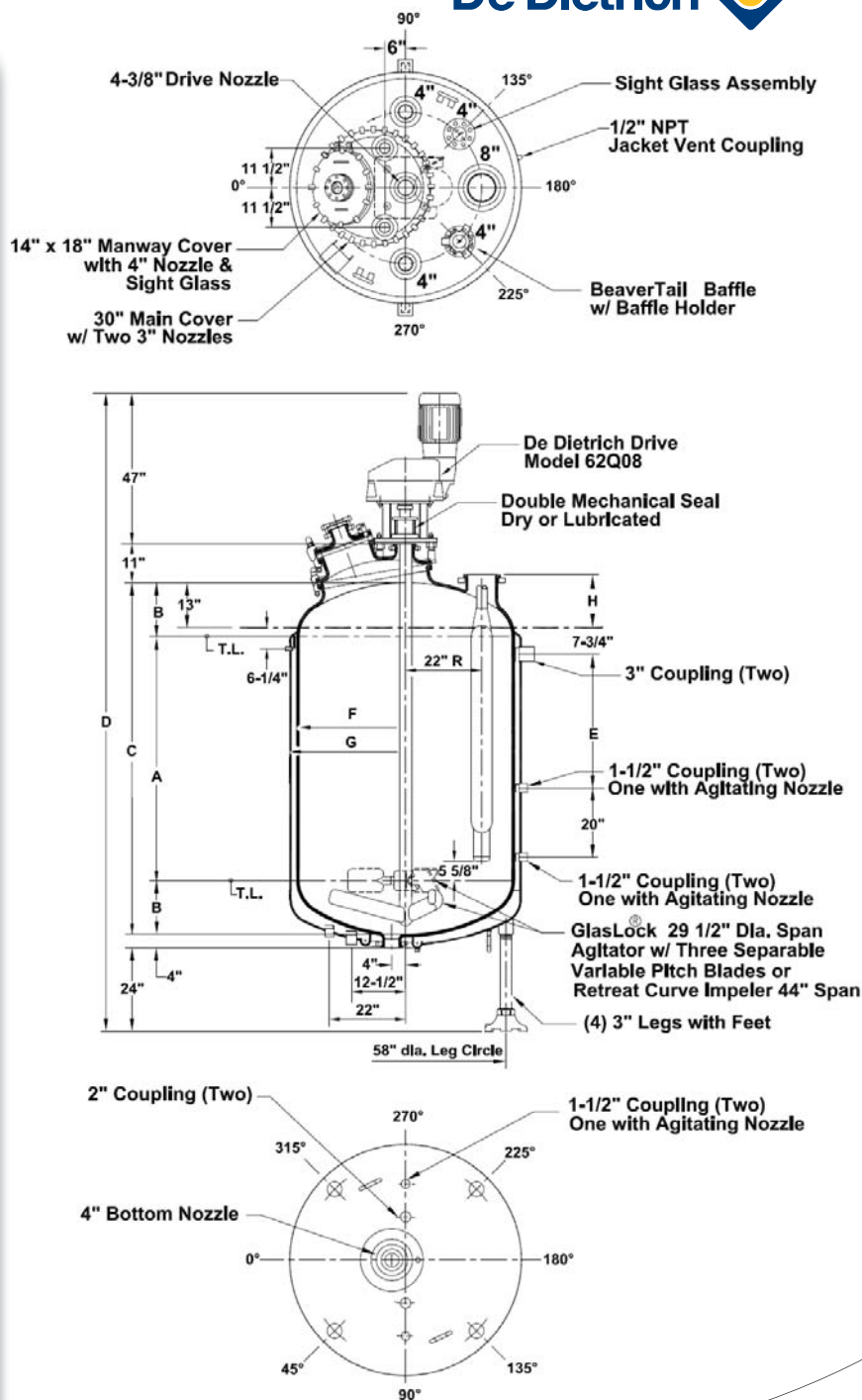
### Series 60 Drive

Motor	10HP
Motor Type	XP
Drive Size	62Q08

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	29 <sup>1</sup> / <sub>2</sub> / 44
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	





# SA-1500

## 1,500 GALLON JACKETED GLASS-LINED STEEL REACTOR



### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	159

### Dimensions (inches)

A	65
B	19 1/2
C	104
D	187
E	34 1/4
F (I.D.)	76 7/8
G (O.D.)	82 11/16
H (nozzle elevations):	
3" nozzle (on the cover)	26 3/4
4" nozzle	16
6" nozzle	17
8" nozzle	17 1/4

### Capacity (gallons)

Working	1,500
Total Volume	1,810
Head Volume	255
Per Inch Straight Side	20

### Weight (pounds)

Bare Body (no accessories)	12,500
Complete (with drive system)	14,200
Add for Shipping	1,500

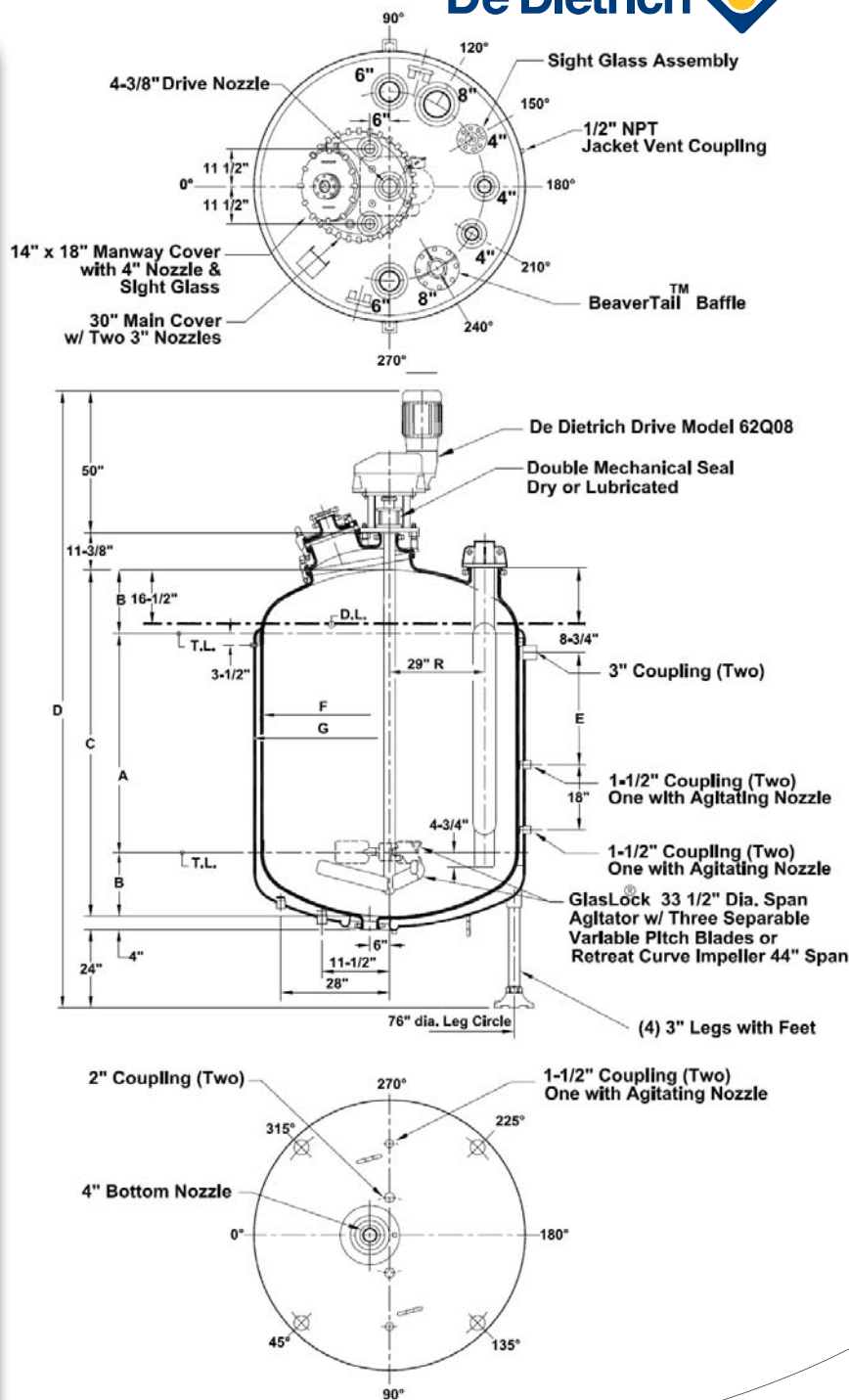
### Series 60 Drive

Motor	15HP
Motor Type	XP
Drive Size	62Q08

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	33 1/2 / 44
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



# SA-2000

## 2,000 GALLON JACKETED GLASS-LINED STEEL REACTOR



### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	192

### Dimensions (inches)

A	84
B	19 1/2
C	123
D	206 1/4
E	51 1/4
F (I.D.)	76 7/8
G (O.D.)	82 11/16
H (nozzle elevations):	
3" nozzle (on the cover)	26 3/4
4" nozzle	16
6" nozzle	17
8" nozzle	17 1/4

### Capacity (gallons)

Working	2,000
Total Volume	2,190
Head Volume	255
Per Inch Straight Side	20

### Weight (pounds)

Bare Body (no accessories)	14,350
Complete (with drive system)	16,050
Add for Shipping	1,500

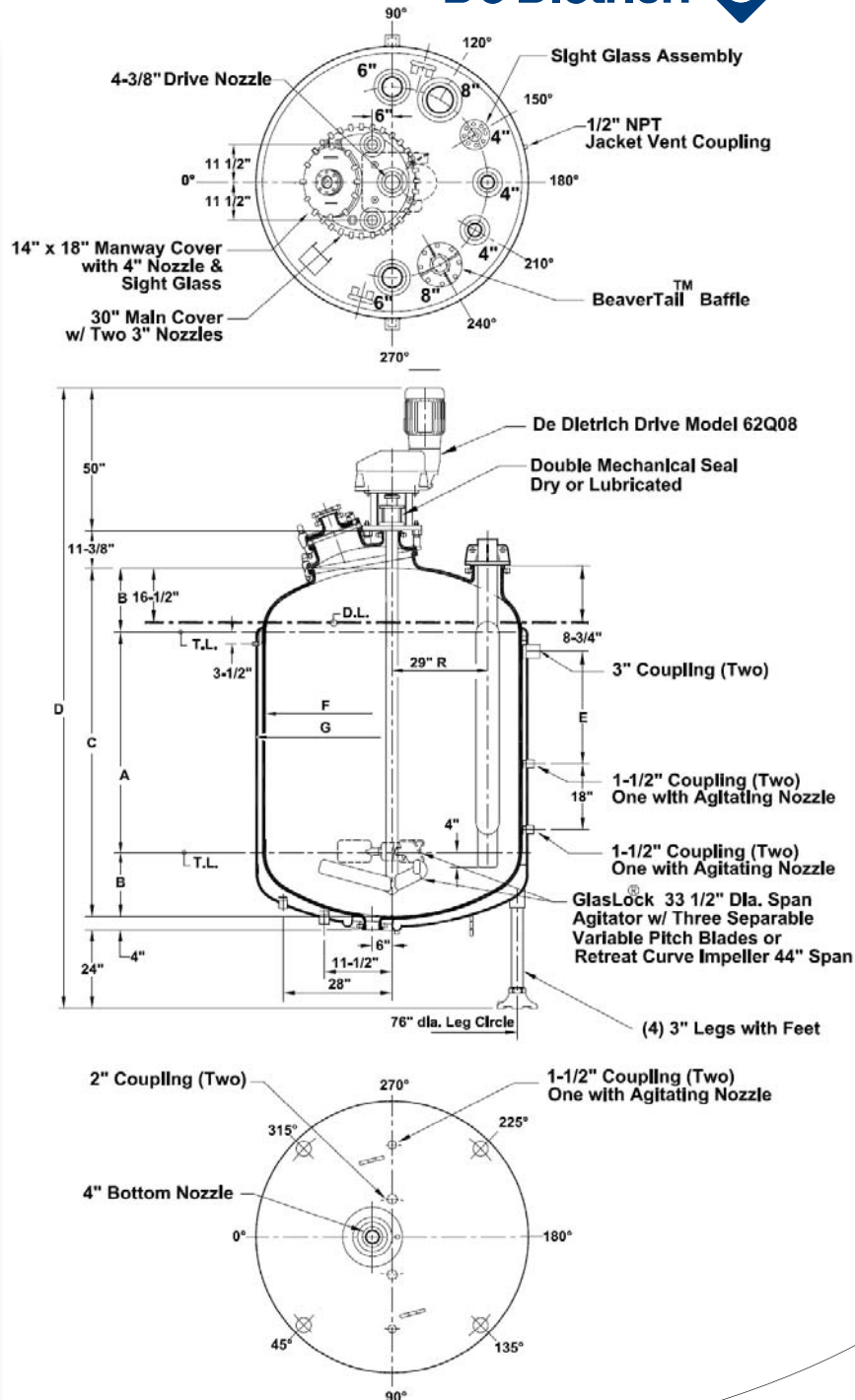
### Series 60 Drive

Motor	15HP
Motor Type	XP
Drive Size	62Q08

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	33 1/2 / 44
Speed (standard speed)	125 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



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# SA-3000 3,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

## Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	241

## Dimensions (inches)

A	76
B	24 1/2
C	125
D	223 9/16
E	43
F (I.D.)	96 9/16
G (O.D.)	102 3/8
H (nozzle elevations):	
4" nozzle (on the cover)	18
6" nozzle	18 3/4
8" nozzle	19 1/4

## Capacity (gallons)

Working	3,000
Total Volume	3,398
Head Volume	506
Per Inch Straight Side	31.7

## Weight (pounds)

Bare Body (no accessories)	23,350
Complete (with drive system)	25,750
Add for Shipping	2,000

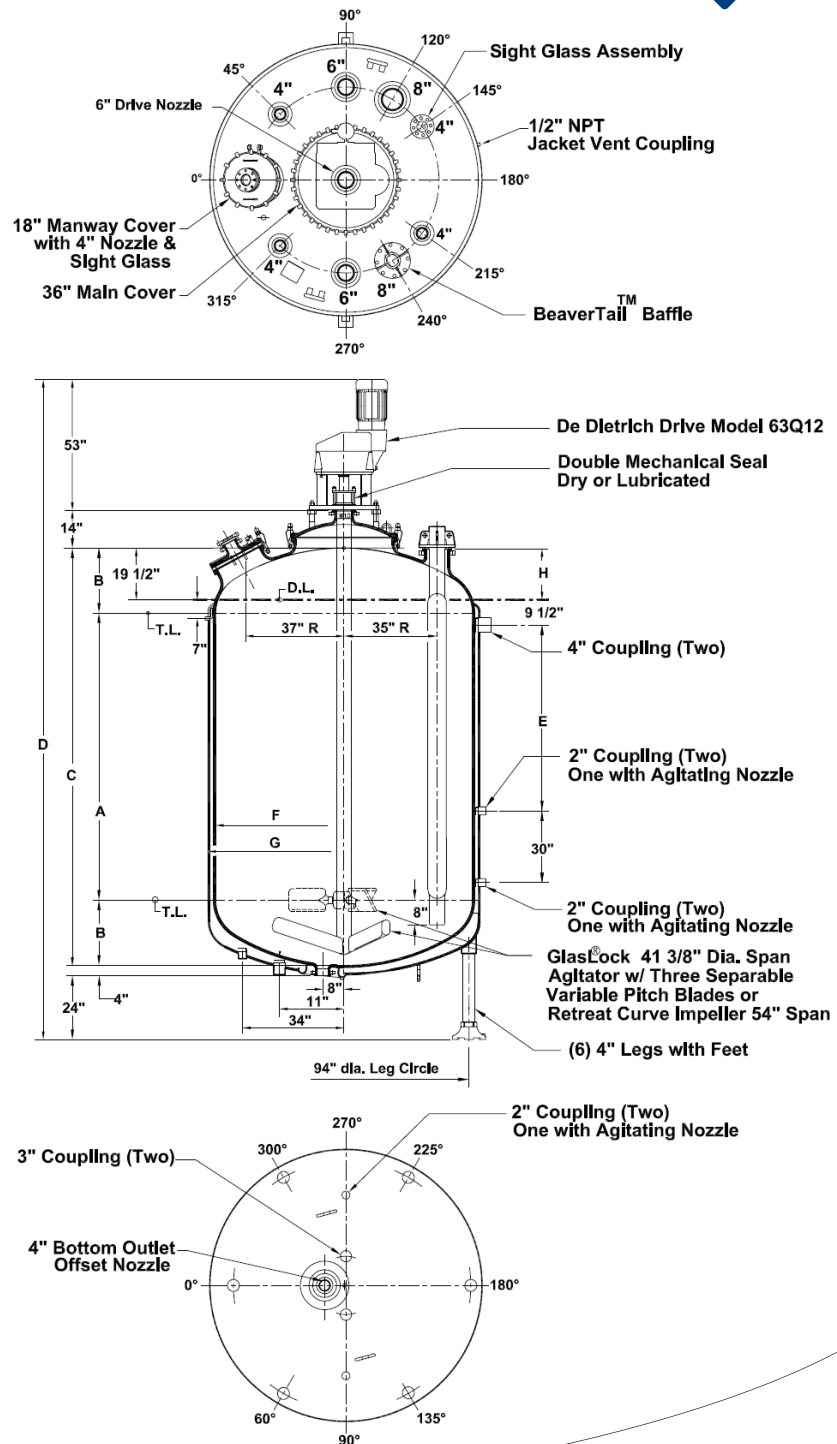
## Series 60 Drive

Motor	20HP
Motor Type	XP
Drive Size	63Q12

- Three Year Warranty
- Low Noise Level
- Helical Gearing

## GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	41 3/8 / 54
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



# SA-4000

## 4,000 GALLON JACKETED GLASS-LINED STEEL REACTOR



### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	310

### Dimensions (inches)

A	108
B	24 1/2
C	157
D	255 9/16
E	63
F (I.D.)	96 9/16
G (O.D.)	102 3/8
H (nozzle elevations):	
4" nozzle (on the cover)	18
6" nozzle	18 3/4
8" nozzle	19 1/4

### Capacity (gallons)

Working	4,000
Total Volume	4,406
Head Volume	506
Per Inch Straight Side	31.7

### Weight (pounds)

Bare Body (no accessories)	28,100
Complete (with drive system)	31,050
Add for Shipping	2,000

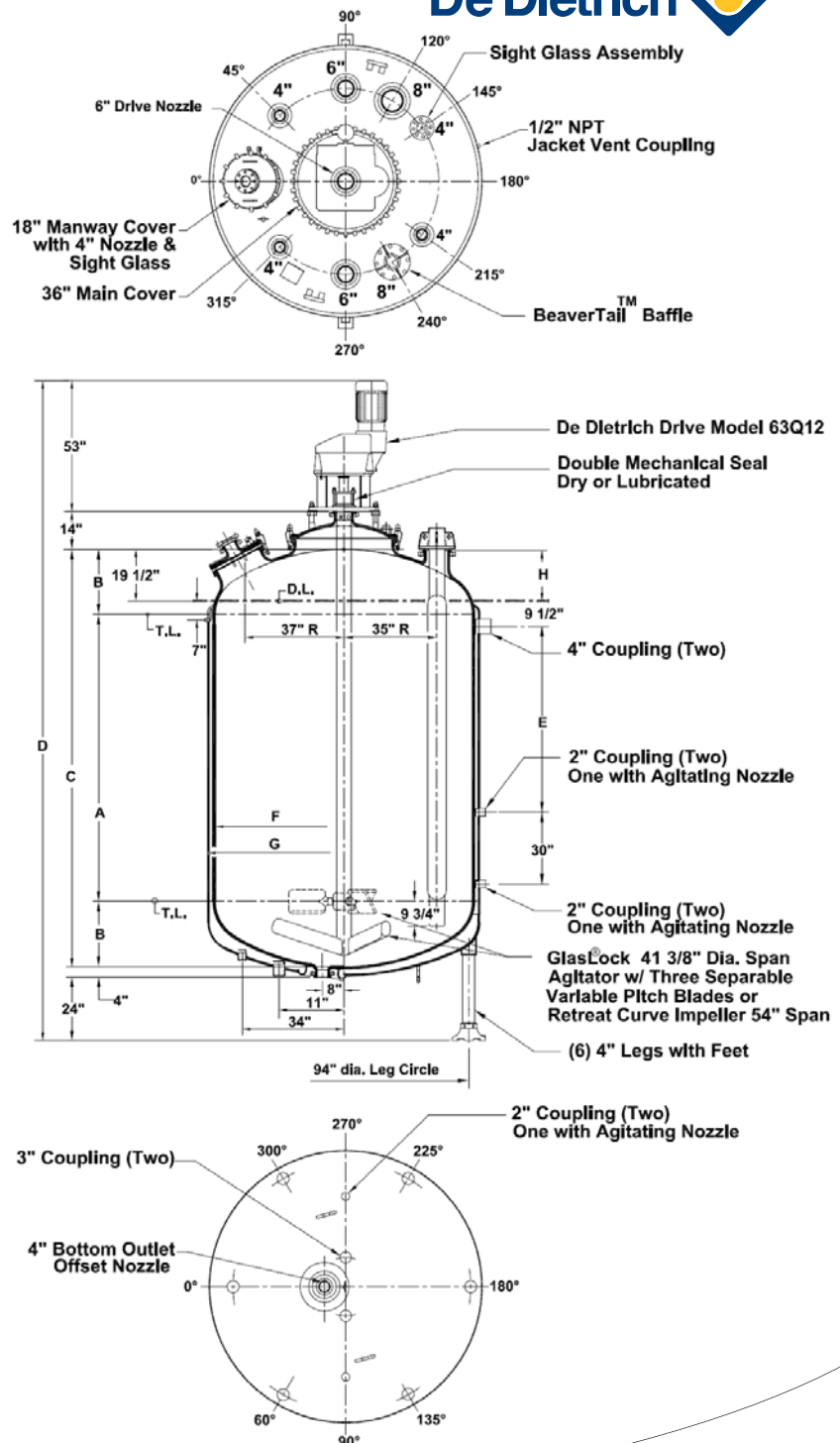
### Series 60 Drive

Motor	20HP
Motor Type	XP
Drive Size	63Q12

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	41 3/8 / 54
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



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# SA-5000

## 5,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	351

### Dimensions (inches)

A	108 <sup>3</sup> / <sub>16</sub>
B	27 <sup>3</sup> / <sub>8</sub>
C	163 <sup>7</sup> / <sub>16</sub>
D	278 <sup>11</sup> / <sub>16</sub>
E	34 <sup>15</sup> / <sub>16</sub>
F (I.D.)	107 <sup>15</sup> / <sub>16</sub>
G (O.D.)	114 <sup>3</sup> / <sub>16</sub>
H (nozzle elevations):	
6" nozzle	23 <sup>1</sup> / <sub>4</sub>
12" nozzle	25 <sup>3</sup> / <sub>4</sub>

### Capacity (gallons)

Working	5,000
Total Volume	5,698
Head Volume	694
Per Inch Straight Side	39

### Weight (pounds)

Bare Body (no accessories)	36,525
Complete (with drive system)	40,950
Add for Shipping	2,000

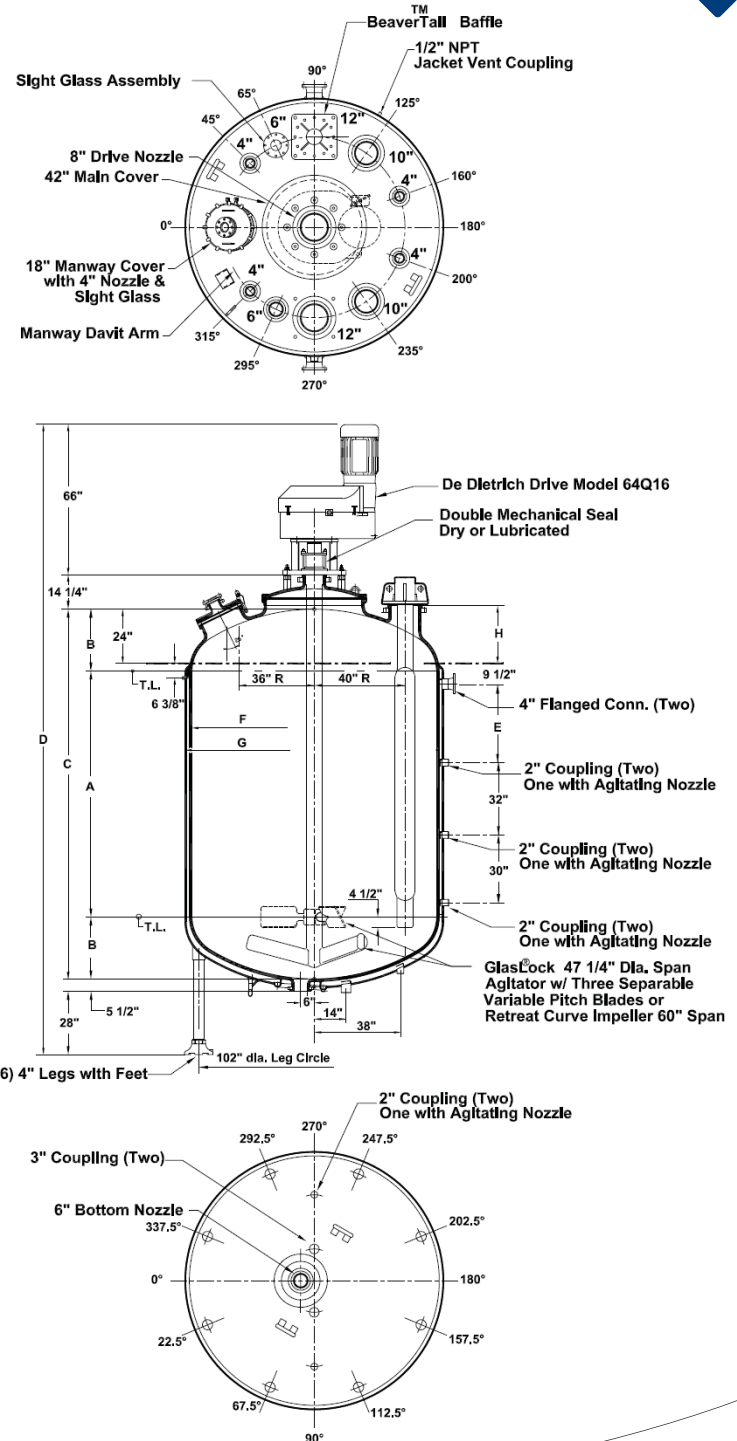
### Series 60 Drive

Motor	40HP
Motor Type	XP
Drive Size	64Q16

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	47 <sup>1</sup> / <sub>4</sub> / 60
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



# SA-6000

## 6,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	414

### Dimensions (inches)

A	133 <sup>1</sup> / <sub>4</sub>
B	27 <sup>3</sup> / <sub>8</sub>
C	188
D	314 <sup>3</sup> / <sub>8</sub>
E	47 <sup>1</sup> / <sub>2</sub>
F (I.D.)	107 <sup>5</sup> / <sub>16</sub>
G (O.D.)	114 <sup>1</sup> / <sub>16</sub>
H (nozzle elevations):	
4" nozzle (on the cover)	22 <sup>1</sup> / <sub>4</sub>
6" nozzle	23
10" nozzle	25
12" nozzle	25 <sup>1</sup> / <sub>2</sub>

### Capacity (gallons)

Working	6,000
Total Volume	6,668
Head Volume	694
Per Inch Straight Side	39

### Weight (pounds)

Bare Body (no accessories)	38,725
Complete (with drive system)	45,115
Add for Shipping	2,000

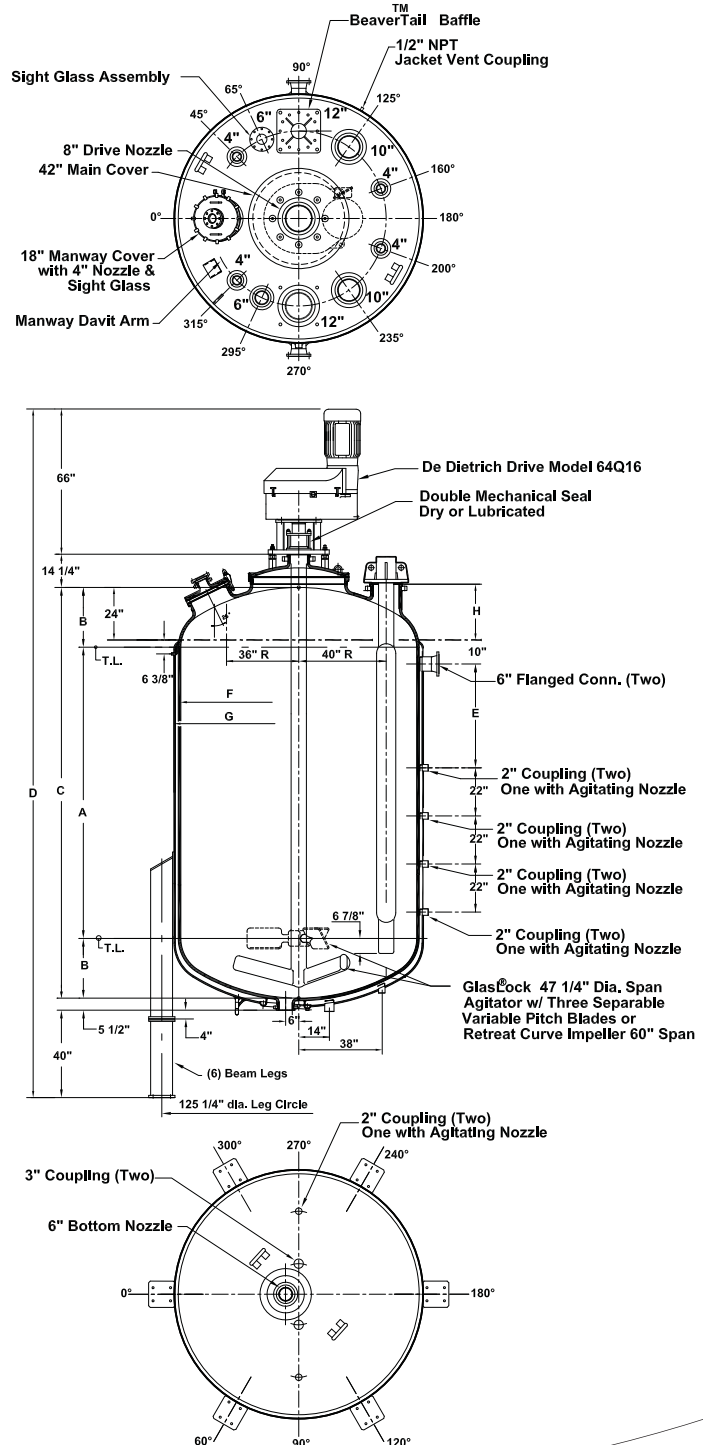
### Series 60 Drive

Motor	50HP
Motor Type	XP
Drive Size	64Q16

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	47 <sup>1</sup> / <sub>4</sub> / 60
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	



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# SA-8000

## 8,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	491.7

### Dimensions (inches)

A	143 <sup>1</sup> / <sub>4</sub>
B	30 <sup>3</sup> / <sub>8</sub>
C	204
D	333 <sup>3</sup> / <sub>8</sub>
E	55
F (I.D.)	119 <sup>11</sup> / <sub>16</sub>
G (O.D.)	126
H (nozzle elevations):	
4" nozzle	25 <sup>1</sup> / <sub>2</sub>
6" nozzle	26 <sup>1</sup> / <sub>2</sub>
12" nozzle	28 <sup>3</sup> / <sub>4</sub>

### Capacity (gallons)

Working	8,000
Total Volume	8,886
Head Volume	963
Per Inch Straight Side	48

### Weight (pounds)

Bare Body (no accessories)	49,950
Complete (with drive system)	57,060
Add for Shipping	2,000

### Series 60 Drive

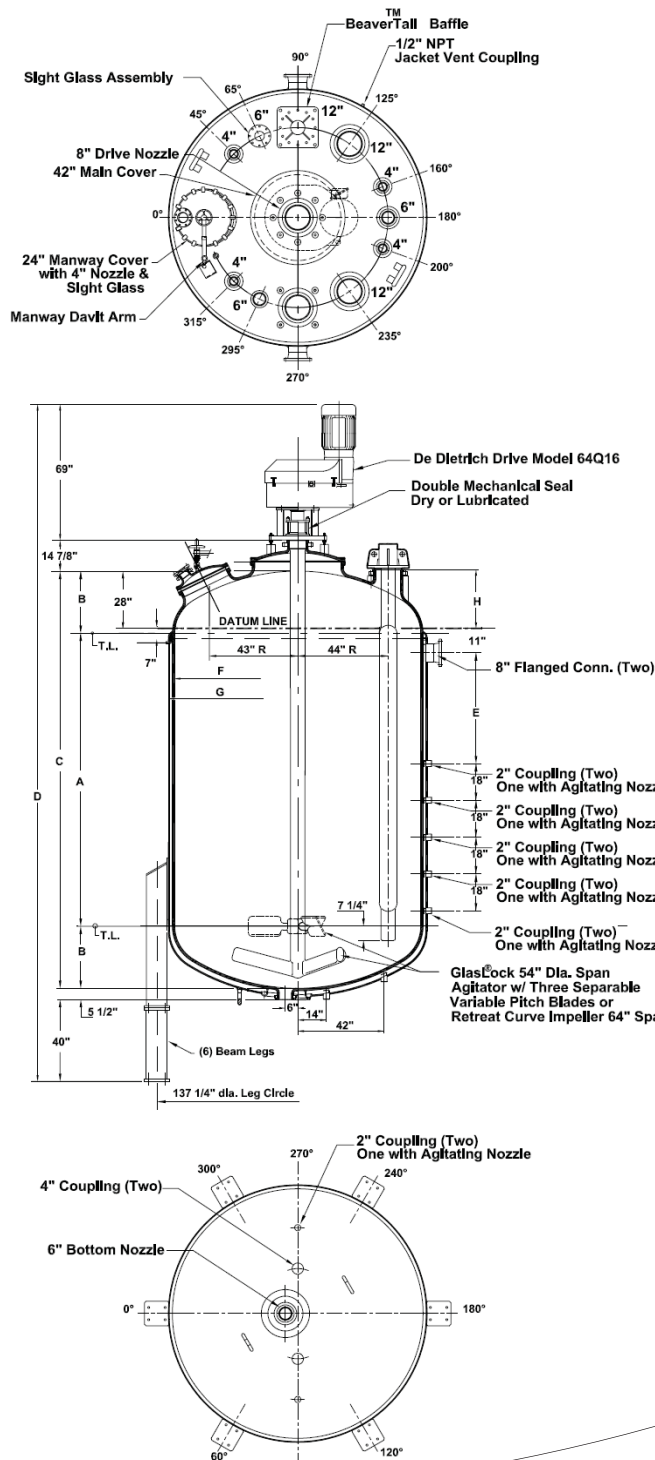
Motor	60HP
Motor Type	XP
Drive Size	64Q16

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	54 / 64
Speed (standard speed)	100 RPM

- Clockwise or Counterclockwise Rotation
- Optional Low Level Agitation



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# SA-10000

## 10,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

### Specifications

Vessel Design Pressure (psig)	100 and F.V.
Jacket Design Pressure (psig)	90 or 90 w/ Int. F.V.
Design Temperature (°F)	500
Jacket Heating Area (sq. ft.)	564.6

### Dimensions (inches)

A	147 <sup>3</sup> / <sub>8</sub>
B	33 <sup>5</sup> / <sub>16</sub>
C	214
D	345 <sup>5</sup> / <sub>8</sub>
E	75 <sup>1</sup> / <sub>2</sub>
F (I.D.)	131 <sup>3</sup> / <sub>8</sub>
G (O.D.)	139 <sup>3</sup> / <sub>4</sub>
H (nozzle elevations):	
4" nozzle	26 <sup>3</sup> / <sub>4</sub>
6" nozzle	27 <sup>3</sup> / <sub>4</sub>
12" nozzle	30 <sup>1</sup> / <sub>4</sub>

### Capacity (gallons)

Working	10,000
Total Volume	11,170
Head Volume	1,274
Per Inch Straight Side	58

### Weight (pounds)

Bare Body (no accessories)	61,500
Complete (with drive system)	74,000
Add for Shipping	2,000

### Series 60 Drive

Motor	60HP
Motor Type	XP
Drive Size	64Q24

- Three Year Warranty
- Low Noise Level
- Helical Gearing

### GlasLock® Agitator or Retreat Curve Impeller

Span (inches)	54 / 72
Speed (standard speed)	100 RPM
• Clockwise or Counterclockwise Rotation	
• Optional Low Level Agitation	

