

SA-300 300 GALLON JACKETED GLASS-LINED STEEL REACTOR De Dietrich

Specifications Vessel Design Pressure (psig) 100 and F.V. Sight Glass Assembly Jacket Design Pressure (psig) 100 or 100 4 3/8"Drive Nozzle 135 -1/2" NPT Jacket Vent Coupling w/ Int. F.V. Design Temperature (°F) 500 6 Jacket Heating Area (sq. ft.) 80 **Dimensions (inches)** 12" x 16" Manway Cover Ø with 4" Nozzle & Sight Glass 32 ³/₄ A 225 В 12¹/8 24" Maln Cover w/ Two 2" Nozzles С 57 BeaverTail Baffle w/ Baffle Holder 270° D 130¹/₄ Ε $24^{1}/8$ F (I.D.) 48 De Dietrich Drive Model 61Q06 G (0.D.) 53¹/₈ 41 H (nozzle elevations): Double Mechanical Seal Dry or Lubricated 2" nozzle (on the cover) 19 3" nozzle 11 4" nozzle $11^{1/4}$ 6" nozzle 12¹/₄ в -D. _ T.L. Capacity (gallons) 19" R 6 1/4" Working 300 C 2" Coupling (Two) **Total Volume** 378 G **Head Volume** 62 Per Inch Straight Side 7.83 Weight (pounds) 1-1/2" Coupling (Two) One with Agitating Nozzle Bare Body (no accessories) 3.900 LT.L. Complete (with drive system) 5,000 GlasLock[®] 26" Dla. Span Agitator w/ Three Separable Add for Shipping 1,000 3" Variable Pitch Blades or Retreat Curve Impeler 36" Span 12" 3-1/4" Series 60 Drive 18" Motor 3HP (4) 3" Legs with Feet 46" dla, Leg Circle 1-1/2" Coupling (Two) Motor Type XP 1-1/2" Coupling (Two) One with Agitating Nozzle Drive Size 61006 270 Three Year Warranty 315 225 Low Noise Level 3" Bottom Nozzle **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**

De Dietrich Process Systems, Inc.

244 Sheffield Street Mountainside, NJ 07092 P 908.317.2585 F908.889.4960

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De Dietrich PROCESS SYSTEMS

180

135





SA-500 500 GALLON JACKETED GLASS-LINED STEEL REACTOR De Dietrich

Specifications Vessel Design Pressure (psig) 100 and F.V. Sight Glass Assembly Jacket Design Pressure (psig) 100 or 100 4 3/8"Drive Nozzle 135 -1/2" NPT Jacket Vent Coupling w/ Int. F.V. Design Temperature (°F) 500 6 Jacket Heating Area (sq. ft.) 80 **Dimensions (inches)** 12" x 16" Manway Cover Ø with 4" Nozzle & Sight Glass 57 ³/₄ A 225 В 12¹/8 24" Maln Cover w/ Two 2" Nozzles С 82 BeaverTail Baffle w/ Baffle Holder 270° D $155^{1/4}$ Ε 43 F (I.D.) 48 De Dietrich Drive Model 61Q06 G (0.D.) 53¹/₈ 41 H (nozzle elevations): Double Mechanical Seal Dry or Lubricated 2" nozzle (on the cover) 19 3" nozzle 11 4" nozzle $11^{1/4}$ 6" nozzle 12¹/₄ в -D. _ T.L. Capacity (gallons) 19" R 6 1/4" Working 500 C 2" Coupling (Two) **Total Volume** 572 G **Head Volume** 62 Per Inch Straight Side 7.83 Weight (pounds) 1-1/2" Coupling (Two) One with Agitating Nozzle Bare Body (no accessories) 5.000 LT.L. Complete (with drive system) 6,100 GlasLock[®] 26" Dla. Span Agitator w/ Three Separable Add for Shipping 1,000 3" Variable Pitch Blades or Retreat Curve Impeler 36" Span 12" 3-1/4" Series 60 Drive 18" 5HP (4) 3" Legs with Feet 46" dla, Leg Circle 1-1/2" Coupling (Two) Motor Type XP 1-1/2" Coupling (Two) One with Agitating Nozzle Drive Size 270 61006 Three Year Warranty 315 225 Low Noise Level 3" Bottom Nozzle

Helical Gearing

Motor

GlasLock[®] Agitator or Retreat Curve Impeller

Span (inches) 26/36 125 RPM Speed (standard speed)

- **Clockwise or Counterclockwise Rotation**
- **Optional Low Level Agitation**

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SA-750 750 GALLON JACKETED GLASS-LINED STEEL REACTOR De Dietrich 📀

135

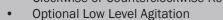
180

8'

Sight Glass Assembly

-1/2" NPT Jacket Vent Coupling

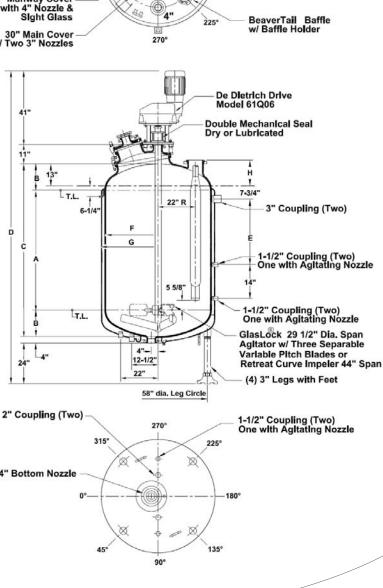
Specifications 4-3/8" Drive Nozzle Vessel Design Pressure (psig) 100 and F.V. Jacket Design Pressure (psig) 90 or 90 w/ Int. F.V. Design Temperature (°F) 500 Jacket Heating Area (sq. ft.) 100 14" x 18" Manway Cover with 4" Nozzle & Sight Glass **Dimensions (inches)** 50 ³/₄ А 30" Main Cover w/ Two 3" Nozzles В $15^{5}/_{8}$ С 82 D 162 Е 24 ³/₄ 61⁷/₁₆ F (I.D.) 66¹⁵/₁₆ G (O.D.) H (nozzle elevations): 3" nozzle (on the cover) $22^{1/4}$ 4" nozzle 14 13 8" nozzle $15^{1/4}$ Capacity (gallons) 750 Working **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 4 Add for Shipping 1.000 24" Series 60 Drive $7^{1}/_{2}HP$ Motor XP Motor Type Drive Size 61006 Three Year Warranty Low Noise Level 4" Bottom Nozzle Helical Gearing GlasLock® Agitator or Retreat Curve Impeller Span (inches) 29¹/₂/44 125 RPM Speed (standard speed) Clockwise or Counterclockwise Rotation



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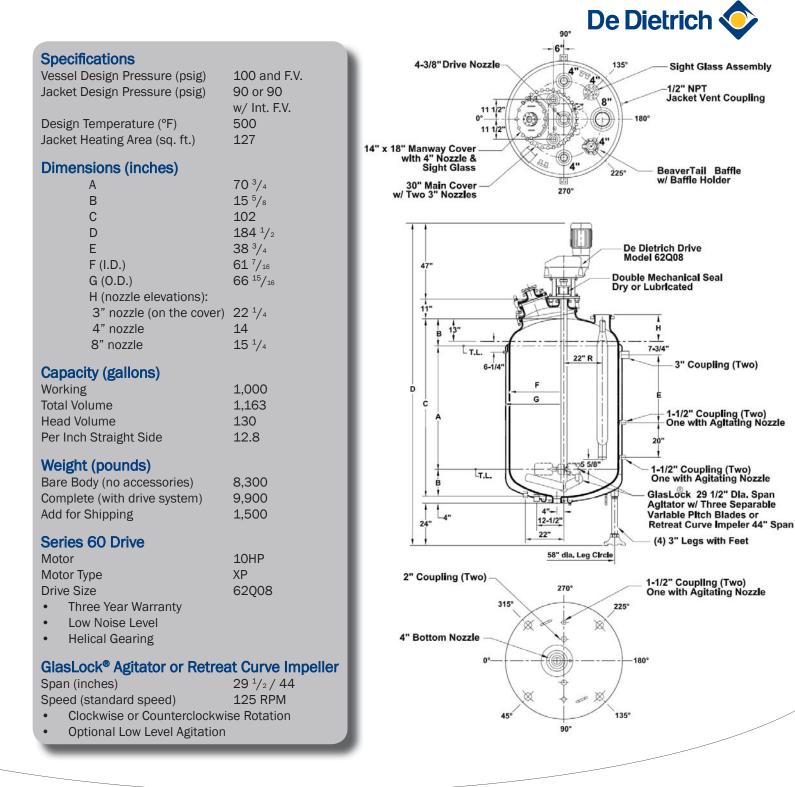
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SA-1000 1,000 GALLON JACKETED GLASS-LINED STEEL REACTOR



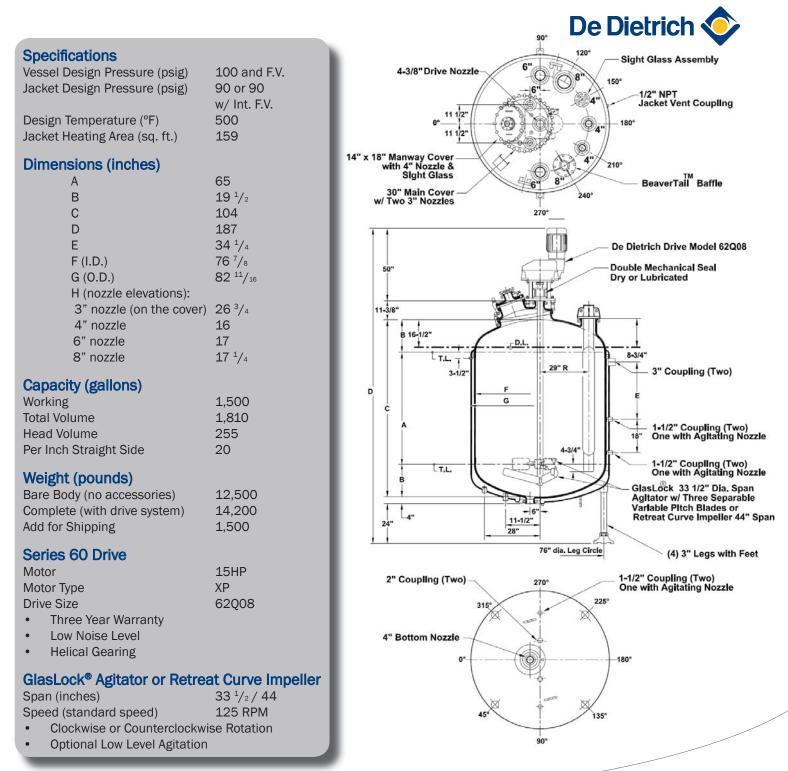


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SA-1500 1,500 GALLON JACKETED GLASS-LINED STEEL REACTOR





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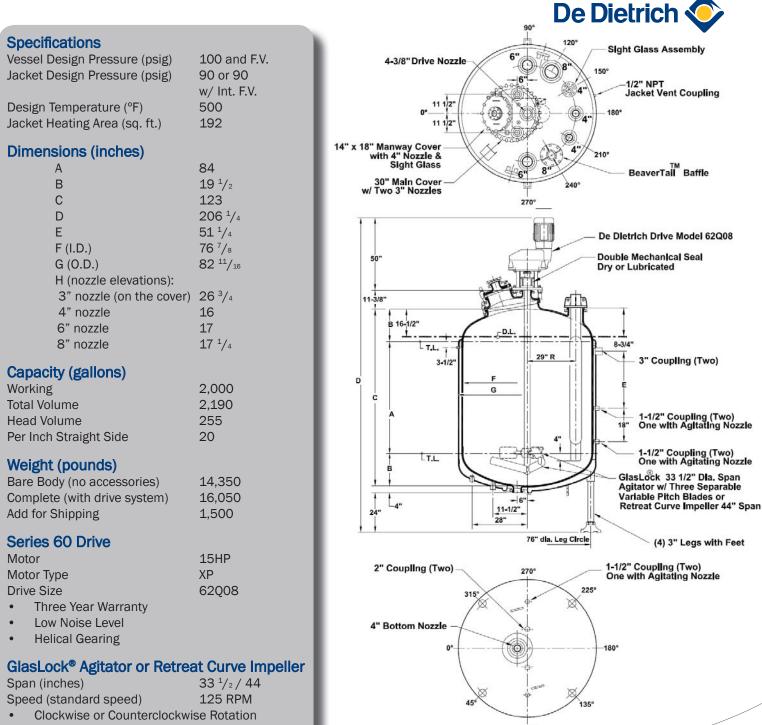
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De Dietrich PROCESS SYSTEMS

D004-1500



SA-2000 2,000 GALLON JACKETED **GLASS-LINED STEEL REACTOR**



Optional Low Level Agitation

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De Dietrich PROCESS SYSTEMS D004-2000 11/2011



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

De Dietrich 90° **Specifications** Sight Glass Assembly 6" 577 Vessel Design Pressure (psig) 100 and F.V. Ø^{8"} 6 4' 1459 6" Drive Nozzie Jacket Design Pressure (psig) 90 or 90 ₋1/2" NPT Jacket Vent Coupling <u>ک</u>وچک w/ Int. F.V. Design Temperature (°F) 500 180° Jacket Heating Area (sq. ft.) 241 18" Manway Cover with 4" Nozzle & Sight Glass **Ø**4" **Dimensions (inches)** 215° 8' 36" Main Cover -4 6" 76 315 A BeaverTail Baffle 240 ф В $24^{1/2}$ 270 С 125 D 223 ⁹/₁₆ Ε De Dietrich Drive Model 63Q12 43 53 96⁹/₁₆ F (I.D.) Double Mechanical Seal Dry or Lubricated G (O.D.) 102³/8 H (nozzle elevations): 14' 4" nozzle (on the cover) 18 19 1/2" н 6" nozzle $18^{3}/_{4}$ 9 1/2" 8" nozzle 19¹/₄ ^Lт.l. 37" R 35" R 4" Coupling (Two) Capacity (gallons) Working 3.000 **Total Volume** 3.398 Ď 2" Coupling (Two) One with Agitating Nozzie Head Volume 506 C Per Inch Straight Side 31.7 G Weight (pounds) Bare Body (no accessories) 23.350 2" Coupling (Two) One with Agitating Nozzle ¹т.с. Complete (with drive system) 25,750 Glas Cock 41 3/8" Dia. Span Add for Shipping 2,000 Agitator w/ Three Separable Variable Pitch Blades or ____8 ___11" -1 24 Series 60 Drive Retreat Curve Impeller 54" Span 34" Motor 20HP (6) 4" Legs with Feet 94" dia. Leg Circle Motor Type XP Drive Size 63012 2" Coupling (Two) One with Agitating Nozzle 270 Three Year Warranty 225° 300 3" Coupling (Two)-Low Noise Level R Helical Gearing 4" Bottom Outlet GlasLock[®] Agitator or Retreat Curve Impeller Offset Nozzle 180 Span (inches) 41³/₈/54 100 RPM Speed (standard speed)

- Clockwise or Counterclockwise Rotation
- **Optional Low Level Agitation**

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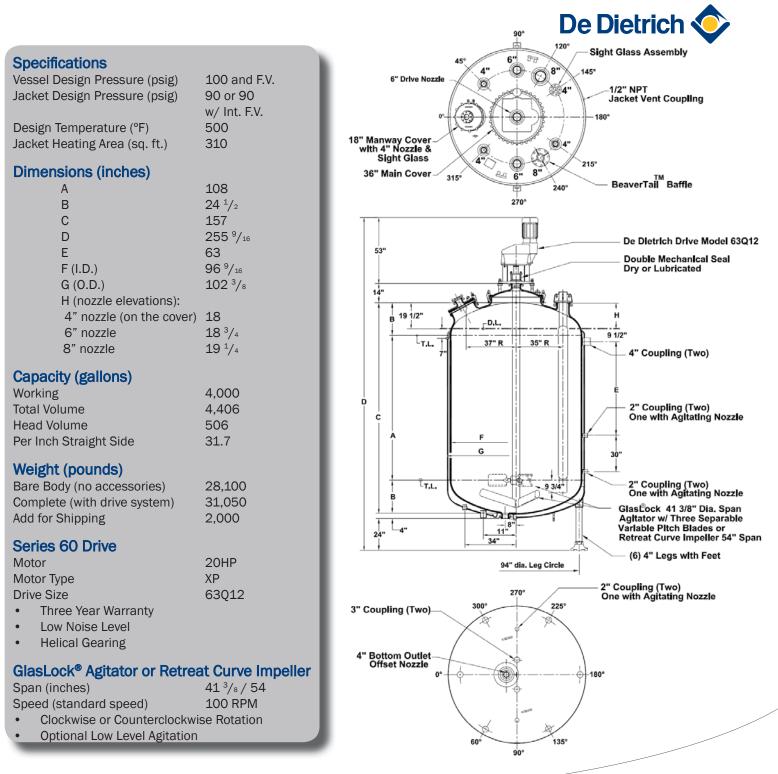
De Dietrich PROCESS SYSTEMS D004-3000 11/2011

135°

60'



SA-4000 4,000 GALLON JACKETED GLASS-LINED STEEL REACTOR



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De Dietrich. PROCESS SYSTEMS D004-4000 11/2011



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)** А $108^{-3}/_{16}$ В $27^{3}/_{8}$ С 163 7/16 278 11/16 D 34 15/16 E F (I.D.) 107 15/16 G (0.D.) 114 ³/₁₆ H (nozzle elevations): 6" nozzle 23¹/₄ 12" nozzle $25^{3}/_{4}$ 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** 64016 Three Year Warranty Low Noise Level **Helical Gearing**

GlasLock® Agitator or Retreat Curve Impeller

Span (inches) 47 1/4 / 60 Speed (standard speed) 100 RPM **Clockwise or Counterclockwise Rotation**

Optional Low Level Agitation

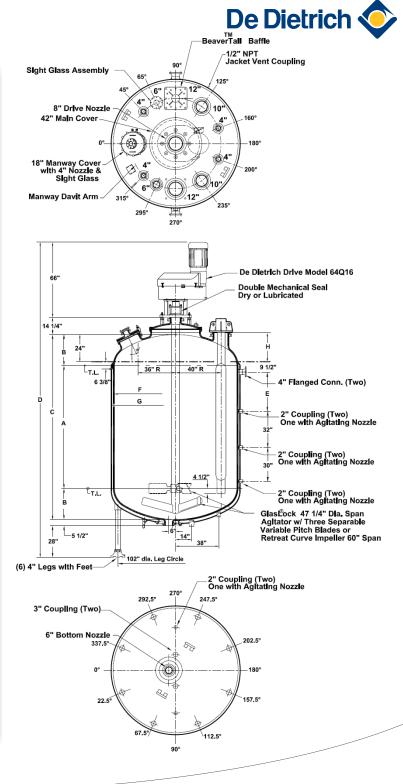
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SA-6000 6,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

De Dietrich BeaverTail Baffle **Specifications** -1/2" NPT Jacket Vent Coup**li**ng Vessel Design Pressure (psig) 100 and F.V. Sight Glass Assembly Jacket Design Pressure (psig) 125 90 or 90 w/ Int. F.V. 8" Drive Nozzle 10 Design Temperature (°F) 500 42" Main Cover 60 Jacket Heating Area (sq. ft.) 414 180 **Dimensions (inches)** 18" Manway Cover with 4" Nozzle & Sight Glass 133¹/₄ A В $27^{3}/8$ Manway Davit Arm -С 188 D 314 ³/₈ $47^{1/2}$ Ε 107 5/16 F (I.D.) De Dietrich Drive Model 64Q16 G (0.D.) 114¹/₁₆ Double Mechanical Seal Dry or Lubricated H (nozzle elevations): 4" nozzle (on the cover) $22^{1/4}$ 14 1/4 23 6" nozzle 10" nozzle 25 24 12" nozzle 25¹/₂ 36" 8 L_{T.L.} 6" Flanged Conn. (Two) Capacity (gallons) Working 6,000 **Total Volume** 6,668 2" Coupling (Two) One with Agitating Nozzle Head Volume 694 Per Inch Straight Side 39 2" Coupling (Two) One with Agitating Nozzle 2" Coupling (Two) One with Agitating Nozzle Weight (pounds) Bare Body (no accessories) 38,725 2" Coupling (Two) One with Agitating Nozzle Complete (with drive system) 45,115 ÊT.L Add for Shipping 2,000 GlasEock 47 1/4" Dia, Span Agitator w/ Three Separable Variable Pitch Blades or Retreat Curve Impeller 60" Span L5 1/2" Series 60 Drive 14" 40 50HP Motor (6) Beam Legs Motor Type XP 125 1/4" dla. Leg Circle 2" Coupling (Two) One with Agitating Nozzle Drive Size 64016 /240' Three Year Warranty 3" Coupling (Two) Low Noise Level 6" Bottom Nozzle **Helical Gearing** GlasLock[®] Agitator or Retreat Curve Impeller Span (inches) 47 1/4 / 60 Ň 100 RPM Speed (standard speed) **Clockwise or Counterclockwise Rotation**

Optional Low Level Agitation

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De Dietrich PROCESS SYSTEMS

D004-6000





SA-8000 8,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

De Dietrich 📀

Specifications Vessel Design Pressure (psig) Jacket Design Pressure (psig) Design Temperature (°F) Jacket Heating Area (sq. ft.)	100 and F.V. 90 or 90 w/ Int. F.V. 500 491.7	
Dimensions (inches) A B C D E F (I.D.) G (0.D.) H (nozzle elevations): 4" nozzle 6" nozzle 12" nozzle	$ \begin{array}{r} 143 \ {}^{1/4} \\ 30 \ {}^{3/8} \\ 204 \\ 333 \ {}^{3/8} \\ 55 \\ 119 \ {}^{11/16} \\ 126 \\ \begin{array}{r} 25 \ {}^{1/2} \\ 26 \ {}^{1/2} \\ 28 \ {}^{3/4} \\ \end{array} $	
Capacity (gallons) Working Total Volume Head Volume Per Inch Straight Side	8,000 8,886 963 48	
Weight (pounds) Bare Body (no accessories) Complete (with drive system) Add for Shipping	49,950 57,060 2,000	
Series 60 Drive Motor Motor Type Drive Size • Three Year Warranty • Low Noise Level • Helical Gearing	60HP XP 64Q16	
GlasLock® Agitator or Retreat Curve ImpellerSpan (inches)54 / 64Speed (standard speed)100 RPM• Clockwise or Counterclockwise Rotation• Optional Low Level Agitation		

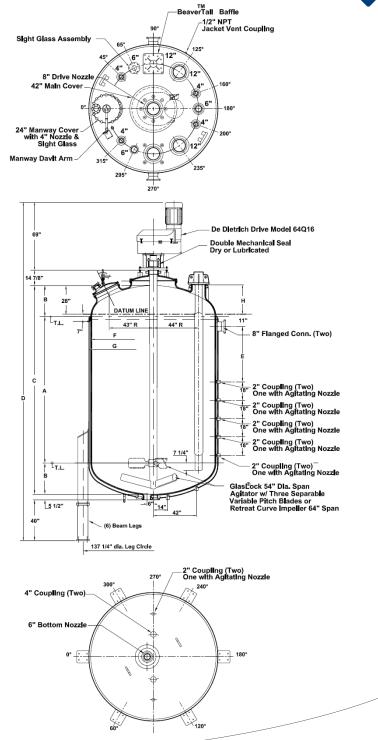
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SA-10000 10,000 GALLON JACKETED GLASS-LINED STEEL REACTOR

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)** А 147³/8 В 33 5/16 С 214 345 5/8 D 75¹/₂ E F (I.D.) 131 ³/₈ G (0.D.) 139³/₄ H (nozzle elevations): 26³/₄ 4" nozzle 6" nozzle $27^{3/4}$ 12" nozzle 30¹/₄ 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 / 72Speed (standard speed)100 RPM

- Clockwise or Counterclockwise Rotation
- Optional Low Level Agitation

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