# **End Suction Centrifugal Pump**

## Model GSDU



**Technical Specification** 



**EBARA** Pumps Americas Corporation

### EBARA End Suction Centrifugal Pumps Specification

### **Main Applications**

### BUILDING

#### • Air conditioning-District heating & cooling

General water supply Brine (antifreeze liquid) Hot water circulation

**Pressure Boosting** 

### WATER SUPPLY

- Municipal water supply
- Irrigation
- Clean water drainage
- Fire protection
- Swimming pool

### **GENERAL INDUSTRY**

- Semiconductor Industry
  Pure water
- Food industry

General water (Cooling water, Recycling water, Filtered water) CIP (Cleaning in Place), below 50°C and below conc. of 20%

Pulp and Paper Industry

White water (below pulp conc. of 0.3%)

Automobile industry

Water (without slurry) Detergent (without slurry)

Steel industry - Non-ferrous metals industry

Coolant

**Cooling Water** 

Garbage incineration

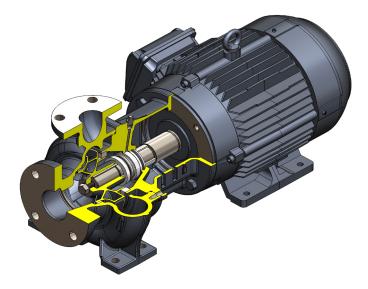
Cooling Water

Deaerater

Condensate water



### **Product Features**



### **Energy-saving Design**

- World top class pump efficiency achieved.
- Major improvement over our previous models by impeller designed using our proprietary 3D inverse design technology.
- · Higher efficiency means lower energy consumption and motor output, and more compact size.

#### **Simple Maintenance**

- Alignment is not required with close couples design.
- Back pull-out structure enables disassembly and inspection without removal of suction and discharge piping.
- Shaft seal flushing and quenching piping not required for the standard application.
- Air-bleeding not required.
- · Simplified shaft seal and O-ring casing seals enable easy assembly.

#### **Pump Specifications**

- Maximum operating pressure: 200 psi.
- Liquid temperature range expansion:14°F to 250°F.
- ANSI B16.1 125lb flanges.
- Type 21 mechanical seal SiC/C/EPDM as standard.
- Stainless steel 316 (CF8M) impeller.
- Stainless steel 316 shaft sleeve.
- Lead-free bismuth bronze casing rings.
- Dry shaft design prevents corrosion at the motor shaft.

#### **International Standards**

- Pump dimensions in accordance with EN733.
- Safety design compliant with ISO 13852.
- Electric motor conforms to NEMA MG1.

(t) 803.327.5005 (f) 803.327.5097



\***Note**: Model GSDU with seal code "E" is Certified



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### **General Description**

#### PUMP

Capacities	To 2000 GPM (60Hz)	
Heads	To 460 ft (60Hz)	
Liquid Temperatures	14°F to 250°F	
MAX. Working Pressure	Up to 200 psi (ANSI B16.1 125lb)	
Discharge Size	1.25" to 6"	
Materials	Casing: Cast Iron (Epoxy coated A48 CL35) Impeller: Stainless Steel 316 (CF8M) Casing ring: Lead-free Bismuth bronze (CAC902) Mechanical seal: Standard: SiC / C / EPDM Options: SiC / SiC /EPDM SiC / C / Viton SiC / SiC / Viton	
Standards	ANSI B16.1 125lb, EN733	
Rotation	Clockwise viewed from coupling end	
Base/Support	(Available upon request) (Material: ASTM A36)	

#### MOTOR

Frequency	60Hz		
Operational Speed	2-Pole (3500 rpm) 4-Pole (1750 rpm)		
Phase	3-Phase*		
Motor Power	1.5 to 50 hp		
Voltage	230 / 460V		
Enclosure	TEFC (Standard) / ODP (Option*)		
Standards	NEMA MG1 JM/JP Shaft		

\*NOTE: Different options are available. Contact factory for details.





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### **Design Details**

### **FEATURES**

- Horizontal foot mounting
- Close-coupled desgin
- Single-stage
- · Radially split volute casing

## APPLICABLE FLANGE STANDARD

• ANSI B16.1 CLASS 125LB

### **IMPELLER TYPE**

• Closed, single suction type and balancing holes to reduce axial thrust

### SHAFT SEAL

- Single mechanical seal rubber bellows Type 21 (SiC/C/EPDM as standard)
- Optional seal flush plans (11, 12, 13, 32)

### **BEARINGS AND LUBRICATION**

According to motor supplier

### PAINTING

- 1. Outer Surface
  - Standard

Primer coating	Nitrocelulose based painting
Final coating	Epoxy based painting
Finish color	Blue gray (Munsell 2.5PB 4/2)

- 2. Inner Surface (casing and bracket)
  - Standard

Primer coating	Epoxy based painting
Finish color	White



#### Specification Designation The following designation is system according to EN733 4 32 - 160 15 T GSDU -3 Ε Model —— **GSDU - End Suction Close Coupled Pump** Series \_\_\_\_ 2 - 2-pole (3500rpm) 4 - 4-pole (1750rpm) Discharge-32 - 1-1/4" 80 - 3" 40 - 1-1/2" 100 - 4" 50 - 2" 125 - 5" 65 - 2-1/2" 150 - 6" Nominal Impeller Diameter(mm)\*\_\_\_\_\_ 125 250 160 315 200 \*.1 Indicates different casing and impeller desing to similar model Motor Horsepower – 15 - 1.5hp 75 - 7.5hp 250 - 25hp 20 - 2hp 100 - 10hp 300 - 30hp 30 - 3hp 150 - 15hp 400 - 40hp 50 - 5hp 200 - 20hp 500 - 50hp Motor Enclosure -T - TEFC D - Open Drip Proof (Opt.) W - Washdown (Opt.) X - Explosion Proof (Opt.) Power Phase -3 - Three Phase 1 - Single Phase (Opt.) Seal Designator— E - SiC/Carbon/EPDM - 316SS M - SiC/SiC/EPDM - 316SS V - SiC/Carbon/Viton - 316SS N - SiC/SiC/Viton - 316SS

#### Scope ·

#### Blank - Pump & Motor

R - With motor/pump support (Opt.)

**EBARA End Suction Centrifugal Pumps** 

B - Base package (opt.)





\*Note: Model GSDU with seal code "E" is Certified

Model GSD

### **EBARA End Suction Centrifugal Pumps**

#### Specification

### Designation - Pump Kit (without motor)

The following designation is system according to EN733

GSDU 4 - 32 - 160 NB E - 145JM
Model
GSDU - End Suction Close Coupled Pump
Series
2 - 2-pole (3500rpm) 4 - 4-pole (1750rpm)
Discharge
32 - 1-1/4" 80 - 3" 40 - 1-1/2" 100 - 4" 50 - 2" 125 - 5" 65 - 2-1/2" 150 - 6"
Nominal Impeller Diameter(mm)*
125 250 160 315 200
*.1 Indicates different casing and impeller desing to similar model
Pump Kit
NB - Identification for pump kit (without motor)
Seal Designator
E - SiC/Carbon/EPDM - 316SS M - SiC/SiC/EPDM - 316SS V - SiC/Carbon/Viton - 316SS N - SiC/SiC/Viton - 316SS
Motor Frame Size
145 IM - 143/5 IM 215 IP - 213/5 IP 286 IP - 284/6 IP

145JM - 143/5JM	215JP - 213/5JP	286JP - 284/6JP
184JM - 182/4JM	256JM - 254/6JM	326JM - 324/6JM
215JM - 213/5JM	286JM - 284/6JM	326JP - 324/6JP



#### 1. General:

Ebara GSDU pumps are designed to achieve high efficiency and ease of maintenance. They shall be horizontal foot mounting, single-stage and radially split volute casing. The pump has a back pull-out design, allowing the rotating element to be removed without disturbing the flanged piping connections. The suction (end position) and discharge (top position) flanges are ANSI B16.1 Class 125lb. Pump dimensions according to EN733.

The maximum working temperature, for the standard mechanical seal, shall be 250 °F. The maximum working pressure for the standard flange configuration (ANSI Flanges Class 125) shall be 200 psi.

**a. CASING:** The pump casing will be a material minimum of epoxy coated Grade A48 CL35 Cast Iron. Mounting feet will be integrally cast and sized to prevent tipping. Castings shall be smooth surfaces and free of blow holes and other casting irregularities.

Casing drain plug will be a minimum of 1/4" BSP for complete and rapid draining.

The discharge flange shall be fitted with a 3/8" BSP tapped hole with pipe plug suitable for mounting gages and other equipment as desired. It is possible to add a 3/8" BSP tapped hole in the suction flange (under request).

- **b. IMPELLER:** The impeller shall be Stainless Steel 316 (CF8M), closed type and single suction, with balancing holes to reduce axial thrust.
- **c. WEAR RINGS:** Replaceable casing ring and cover ring shall be Lead-free Bismuth bronze (CAC902). Maintains working clearances while reducing maintenance costs.
- **d. SHAFT:** The motor shaft made of Steel shall be covered with shaft sleeve made of Stainless Steel 316 to prevent from contacting with liquid.
- **e. BEARINGS:** Shield bearings eliminate needs for adding or exchanging lubricating oil. Simplified bearings enable easy assembly and maintenance.
- **f. MECHANICAL SEAL:** Standard Shaft seals faces shall be SiC/Carbon. The cage and spring shall be made of stainless steel, and the elastomers shall be EPDM as standard.

Shaft seal flushing and quenching piping are not required for the standard application. Simplified shaft seal enables easy assembly and maintenance.

- **g. BASE:** Pump and motor/drive assembly shall be mounted on a common fabricated steel baseplate as an option. The baseplates will be formed as a type for skid packages.
- h. MOTORS: Motors are to be provided with the following basic features:



Frequency	60Hz
Operational speed	3500rpm (2-Poles)/1750rpm (4-poles)
Phase	3-Phase*
Motor Power	1.5 to 50 hp
Voltage	230/460V
Enclosure	TEFC(Standard))/ODP(Optional*)
Standards	NEMA MG1 JM/JP Shaft

\*NOTE: Other MOTOR options are available on request. Contact Factory for details.



### EBARA End Suction Centrifugal Pumps Specification

### Applicable Model

: Applicable

Model      3500 rpm (2Pole)      1750 rpm (4pole)      Remarks        GSDU 32-125.1      -      -      different hydraulic designs between them        GSDU 32-125      -      -      different hydraulic designs between them        GSDU 32-160.1      -      -      different hydraulic designs between them        GSDU 32-160      •      -      different hydraulic designs between them        GSDU 32-200      •      •      different hydraulic designs between them        GSDU 32-200      •      •      different hydraulic        GSDU 32-200      •      •      different hydraulic        GSDU 32-200      •      •      designs between them        GSDU 32-250      •      •      -      designs between them        GSDU 40-125      •      -      -      GSDU 40-250      -        GSDU 40-250      •      •      -      -      GSDU 50-250      -      GSDU 50-250      -      •      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -		60Hz		
GSDU 32-125      —      designs between them        GSDU 32-160.1      —      different hydraulic        GSDU 32-160      •      designs between them        GSDU 32-200.1      •      different hydraulic        GSDU 32-200      •      designs between them        GSDU 32-200      •      designs between them        GSDU 32-200      •      •        GSDU 40-125      —      —        GSDU 40-125      •      —        GSDU 40-200      •      •        GSDU 40-250      •      •        GSDU 50-125      •      •        GSDU 50-125      •      •        GSDU 50-200      •      •        GSDU 50-250      —      •        GSDU 50-250      —      •        GSDU 65-125      •      •        GSDU 65-125      •      •        GSDU 65-250      —      •        GSDU 80-160      •      •        GSDU 80-200      —      •        GSDU 80-315      •      •        GSDU 100-160 <th>Model</th> <th></th> <th></th> <th>Remarks</th>	Model			Remarks
GSDU 32-160.1      —      different hydraulic        GSDU 32-160      •      designs between them        GSDU 32-200.1      •      different hydraulic        GSDU 32-200      •      designs between them        GSDU 32-200      •      designs between them        GSDU 32-250      •      •        GSDU 40-125       •        GSDU 40-125       •        GSDU 40-125       •        GSDU 40-200      •      •        GSDU 40-250      •      •        GSDU 50-125      •      •        GSDU 50-125      •      •        GSDU 50-200      •      •        GSDU 50-250       •        GSDU 65-125      •      •        GSDU 65-125      •      •        GSDU 65-125      •      •        GSDU 65-250       •        GSDU 80-200      -      •        GSDU 80-200      -      •        GSDU 80-315      -      •        GSDU 100-160 <td< td=""><td>GSDU 32-125.1</td><td>•</td><td>_</td><td>-</td></td<>	GSDU 32-125.1	•	_	-
GSDU 32-160      e      designs between them        GSDU 32-200.1      •      different hydraulic        GSDU 32-250      •      •        GSDU 32-250      •      •        GSDU 40-125      •      •        GSDU 40-125      •      •        GSDU 40-125      •      •        GSDU 40-200      •      •        GSDU 40-250      •      •        GSDU 50-125      •      •        GSDU 50-125      •      •        GSDU 50-200      •      •        GSDU 50-250      -      •        GSDU 50-250      -      •        GSDU 50-315      -      •        GSDU 65-160      •      •        GSDU 65-250      -      •        GSDU 80-200      -      •        GSDU 80-200      -      •        GSDU 80-250      -      •        GSDU 80-250      -      •        GSDU 100-160      -      •        GSDU 100-250      -      •        GSDU	GSDU 32-125	•	—	designs between them
GSDU 32-200.1      Image: Constraint of the second	GSDU 32-160.1	•		different hydraulic
GSDU 32-200      •      designs between them        GSDU 32-250      •      •      •        GSDU 40-125      •      -      •        GSDU 40-125      •      -      •        GSDU 40-125      •      -      •        GSDU 40-200      •      •      •        GSDU 40-250      •      •      •        GSDU 50-125      •      •      •        GSDU 50-125      •      •      •        GSDU 50-200      •      •      •        GSDU 50-250       •      •        GSDU 50-250       •      •        GSDU 50-315       •      •        GSDU 65-100      •      •      •        GSDU 65-250       •      •        GSDU 80-200       •      •        GSDU 80-200       •      •        GSDU 80-315       •      •        GSDU 80-315       •      •        GSDU 100-160	GSDU 32-160	•	•	designs between them
GSDU 32-250      •      •        GSDU 40-125	GSDU 32-200.1	•	•	different hydraulic
GSDU 40-125    •       GSDU 40-160    •    •      GSDU 40-200    •    •      GSDU 40-250    •    •      GSDU 50-125    •    •      GSDU 50-125    •    •      GSDU 50-125    •    •      GSDU 50-200    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-250     •      GSDU 50-250     •      GSDU 50-250     •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-160    •    •      GSDU 80-200     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-315     •      <	GSDU 32-200	•	•	designs between them
GSDU 40-160    •    •      GSDU 40-200    •    •      GSDU 40-250    •    •      GSDU 50-125    •    •      GSDU 50-125    •    •      GSDU 50-160    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-315     •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-200     •      GSDU 65-200     •      GSDU 65-315     •      GSDU 65-315     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-315     •      GSDU 100-160     •      GSDU 100-250     •      GSDU 100-250     •      GSDU 100-315     •	GSDU 32-250	•	•	
GSDU 40-200    •    •      GSDU 40-250    •    •      GSDU 50-125    •    •      GSDU 50-160    •    •      GSDU 50-200    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-250     •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •	GSDU 40-125	•	_	
GSDU 40-250    •    •      GSDU 50-125    •    •      GSDU 50-160    •    •      GSDU 50-200    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-315     •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 40-160	•	•	
GSDU 50-125    •    •      GSDU 50-160    •    •      GSDU 50-200    •    •      GSDU 50-200    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-315     •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-250     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 40-200	•	•	
GSDU 50-160    •    •      GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-250     •      GSDU 50-315     •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 40-250	•	•	
GSDU 50-200    •    •      GSDU 50-250     •      GSDU 50-315     •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-160    •    •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-250     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 50-125	•	•	
GSDU 50-250     ●      GSDU 50-315     ●      GSDU 65-125    ●    ●      GSDU 65-160    ●    ●      GSDU 65-200     ●      GSDU 65-200     ●      GSDU 65-250     ●      GSDU 65-315     ●      GSDU 80-200     ●      GSDU 80-250     ●      GSDU 80-250     ●      GSDU 100-160     ●      GSDU 100-200     ●      GSDU 100-250     ●      GSDU 100-250     ●      GSDU 125-200     ●      GSDU 125-250     ●	GSDU 50-160	•	•	
GSDU 50-315    —    ●      GSDU 65-125    ●    ●      GSDU 65-160    ●    ●      GSDU 65-200    —    ●      GSDU 65-200    —    ●      GSDU 65-200    —    ●      GSDU 65-200    —    ●      GSDU 65-250    —    ●      GSDU 85-250    —    ●      GSDU 80-160    ●    ●      GSDU 80-200    —    ●      GSDU 80-200    —    ●      GSDU 80-200    —    ●      GSDU 80-200    —    ●      GSDU 80-250    —    ●      GSDU 80-250    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 50-200	•	•	
GSDU 65-125    •    •      GSDU 65-160    •    •      GSDU 65-200     •      GSDU 65-250     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-160    •    •      GSDU 80-200     •      GSDU 100-200     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 50-250	_	•	
GSDU 65-160    •    •      GSDU 65-200    -    •      GSDU 65-250    -    •      GSDU 65-250    -    •      GSDU 65-315    -    •      GSDU 80-160    •    •      GSDU 80-200    -    •      GSDU 100-200    -    •      GSDU 100-200    -    •      GSDU 100-200    -    •      GSDU 100-250    -    •      GSDU 100-315    -    •      GSDU 125-200    -    •      GSDU 125-250    -    •	GSDU 50-315	—	•	
GSDU 65-200     •      GSDU 65-250     •      GSDU 65-315     •      GSDU 80-160    •    •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-315     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-200     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-250     •      GSDU 125-200     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 65-125	•	•	
GSDU 65-250    —    ●      GSDU 65-315    —    ●      GSDU 80-160    ●    ●      GSDU 80-200    —    ●      GSDU 80-200    —    ●      GSDU 80-200    —    ●      GSDU 80-250    —    ●      GSDU 80-250    —    ●      GSDU 80-315    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 102-250    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 65-160	•	•	
GSDU 65-315    —    ●      GSDU 80-160    ●    ●      GSDU 80-200    —    ●      GSDU 80-250    —    ●      GSDU 100-160    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-200    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 102-500    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 65-200		•	
GSDU 80-160    •    •      GSDU 80-200     •      GSDU 80-250     •      GSDU 80-315     •      GSDU 100-160     •      GSDU 100-160     •      GSDU 100-200     •      GSDU 100-250     •      GSDU 100-250     •      GSDU 100-315     •      GSDU 125-200     •      GSDU 125-250     •	GSDU 65-250	_	•	
GSDU 80-200    —    ●      GSDU 80-250    —    ●      GSDU 80-315    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 65-315	_	•	
GSDU 80-250    —    ●      GSDU 80-315    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 80-160	•	•	
GSDU 80-315    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 80-200		•	
GSDU 80-315    —    ●      GSDU 100-160    —    ●      GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 80-250	_	•	
GSDU 100-200    —    ●      GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●		_	•	
GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●		_	•	
GSDU 100-250    —    ●      GSDU 100-315    —    ●      GSDU 125-200    —    ●      GSDU 125-250    —    ●	GSDU 100-200	_	•	
GSDU 125-200  −  ●    GSDU 125-250  −  ●		_	•	
GSDU 125-200  −  ●    GSDU 125-250  −  ●	GSDU 100-315		•	
GSDU 125-250 — •			•	
		_	•	
GSDU 150-200 — •	GSDU 150-200		•	

Models coming soon

