

FGD

Intelligent Recirculation pumps

SPCO[®]
makes life easier

Application

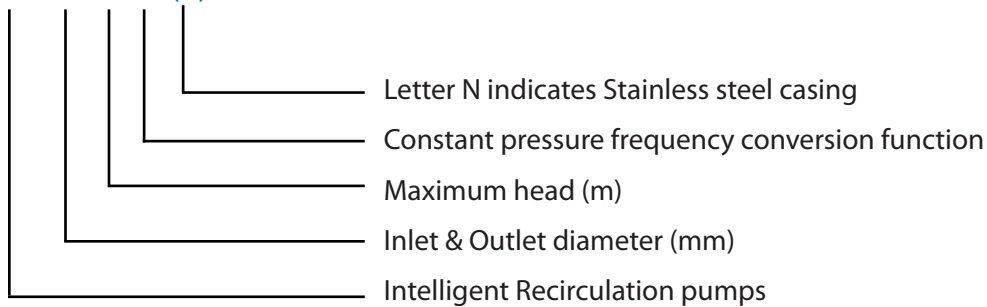
Heating system and hot water.

Circulation system.



Type Key

FGD 25 -8 -HB (N)



Parameter

Pump body: Cast Iron

Motor housing: Aluminum

Impeller: PEI

Shaft: Ceramic

Sound pressure dB: ≤ 40

EEI ≤ 0.23

Protection IP: 56

Insulation class: F

Maximum ambient temperature: $\leq 50^{\circ}\text{C}$

PUMP liquid temperature range: $+5^{\circ}\text{C} \sim +110^{\circ}\text{C}$

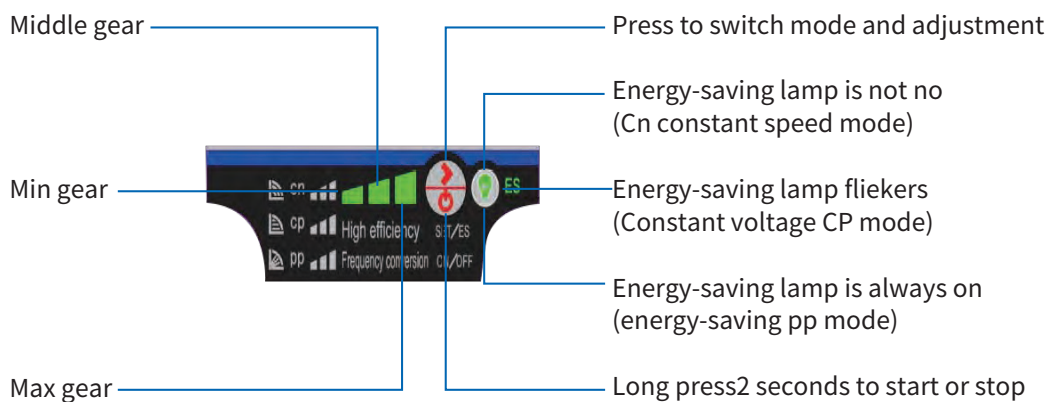
Technical data

Model	Power (W)	Flow (m3/h)	Max.Head (m)	Dia (mm)	Mounting Length (mm)
FGD25-6-HB	45	3.3	6	DN40(1 1/2")	180
FGD32-6-HB	45	3.3	6	DN40(1 1/2")	180
FGD25-8-HB	80	4.2	8	DN40(1 1/2")	180
FGD32-8-HB	80	4.2	8	DN40(1 1/2")	180
FGD25-10-HB	100	4.8	10	DN40(1 1/2")	180
FGD32-10-HB	100	4.8	10	DN40(1 1/2")	180

Installation Dimensions for FGD 25-8






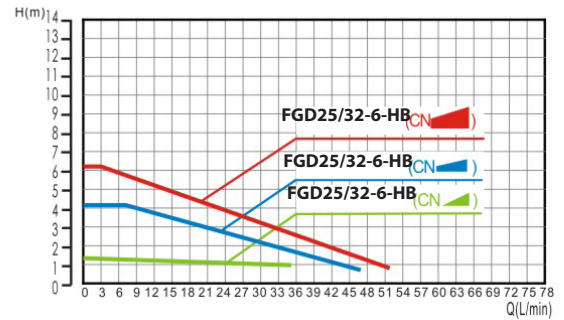
Control Panel Operation construction





Performance Curve

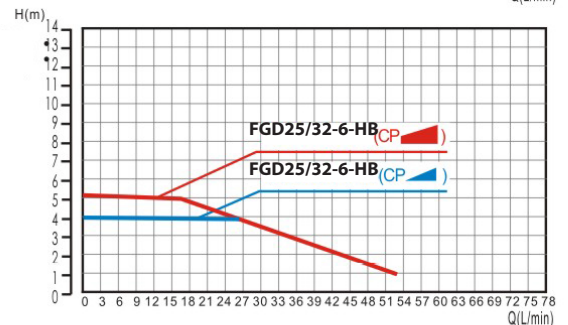
FGD 25/32 -6-HB Constant speed (CN)

Gear position	Power (W)	Head (m)	Max flow (L/min)
	45	6	60
	25-45	4	55
	10-45	1.5	50



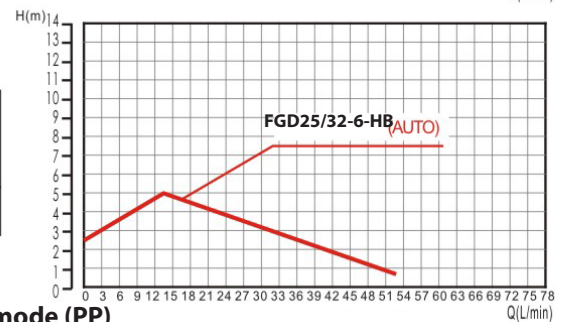
FGD 25/32- 6-HB Constant voltage mode (CP)

Gear position	Power (W)	Head (m)	Max flow (L/min)
	20-45	5	55
	10-45	4	55





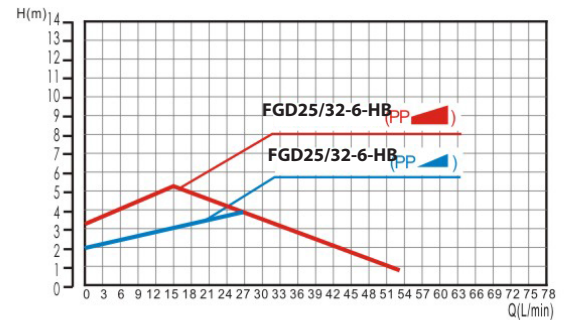
FGD 25/32- 6-HB (Auto mode)

Gear position	Power (W)	Head (m)	Max flow (L/min)
AUTO	10-45	4.5	55






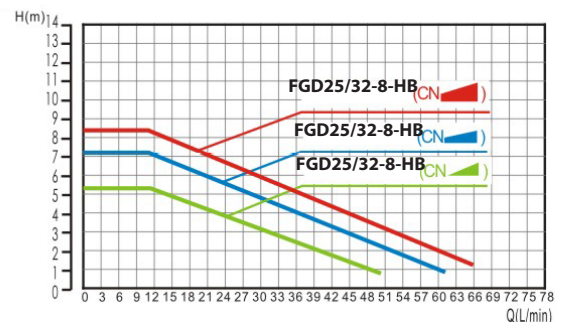
FGD 25/32- 6-HB Proportional high efficiency energy saving mode (PP)

Gear position	Power (W)	Head (m)	Max flow (L/min)
	45	2.5-4.5	55
	25-45	1.5-3	55






FGD 25/32- 8-HB Constant speed mode (CN)

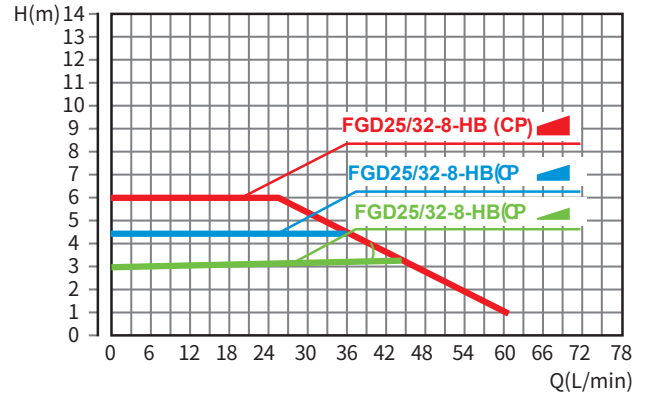
Gear position	Power (W)	Head (m)	Max flow (L/min)
	100	8	70
	80	6.5	60
	60	5	55






Performance Curve

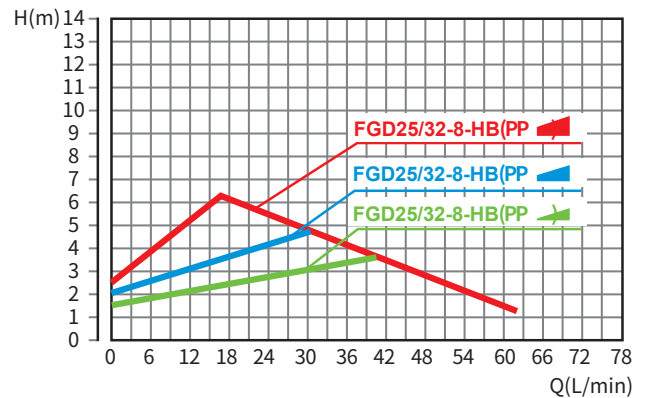
FGD25/32-8-HB Constant voltage mode (CP)

Gear position	Power (w)	Head (m)	Max flow (L/min)
	45-80	6	65
	10-80	4.5	65
	8-50	3	65






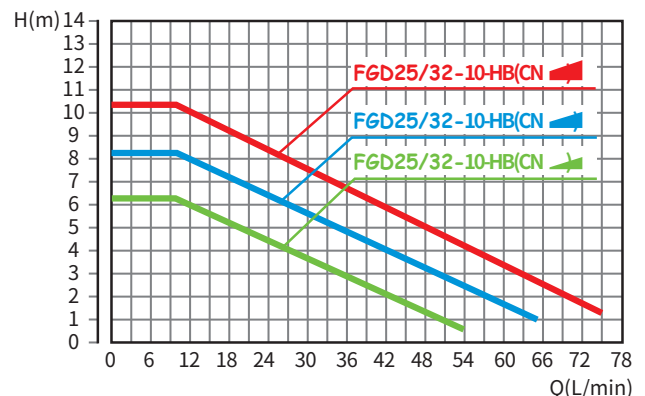
FGD25/32-8-HB Proportional high-efficiency energy-saving mode (PP)

Gear position	Power (w)	Head (m)	Max flow (L/min)
	15-85	3-6	65
	10-80	2-4.5	65
	8-50	1.5-3	65






FGD25/32-10-HB Constant speed mode

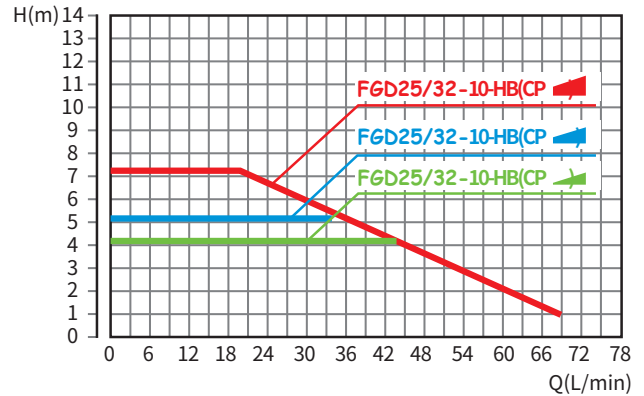
Gear position	Power (w)	Head (m)	Max flow (L/min)
	110	10	80
	90	8	70
	60	6	60






Performance Curve

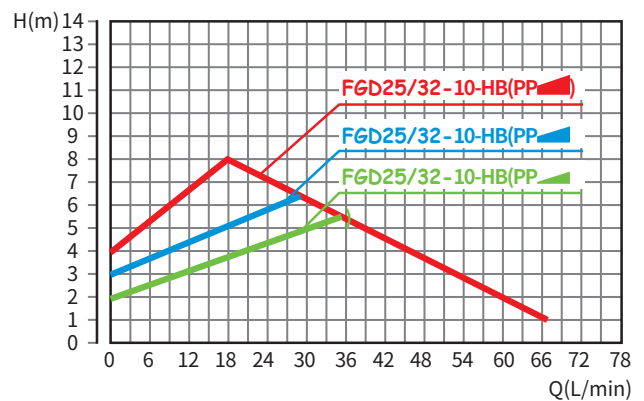
FGD25/32-10-HB Constant voltage mode

Gear position	Power (w)	Head (m)	Max flow (L/min)
	55-85	7	70
	40-85	5.5	70
	20-75	4	70

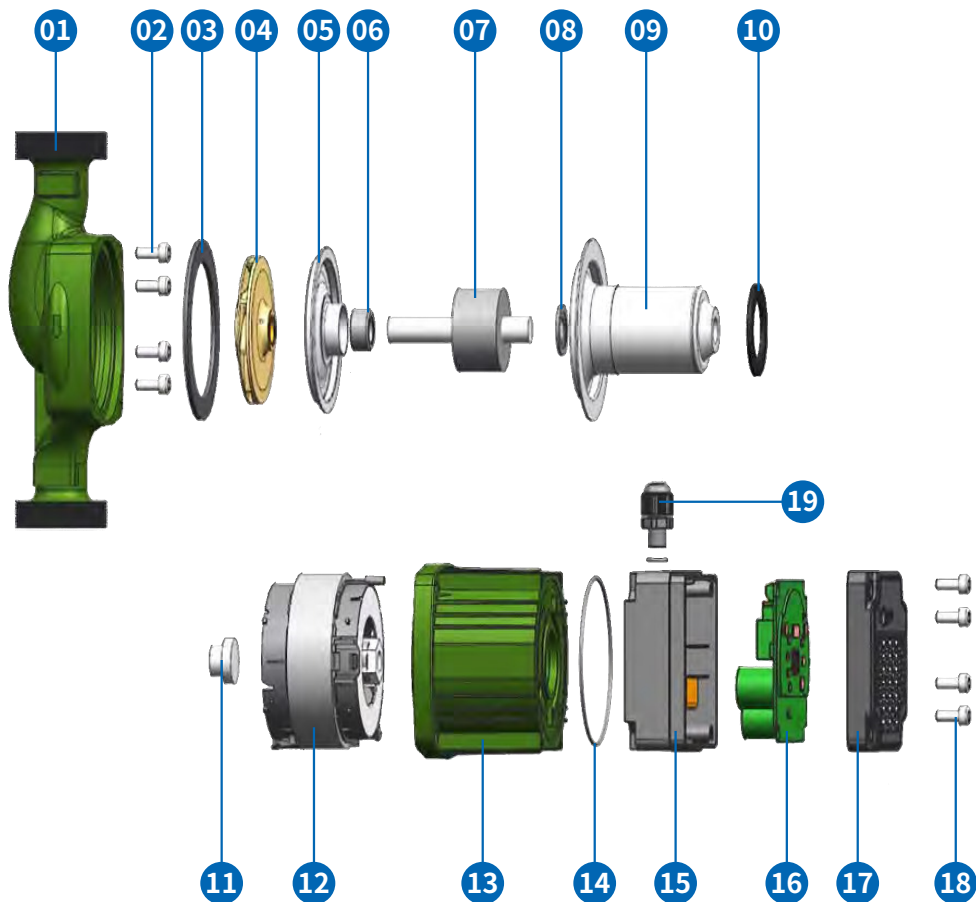


FGD25/32-10-HB Proportional high-efficiency energy-saving mode

Gear position	Power (w)	Head (m)	Max flow (L/min)
	25-90	4-8	70
	15-85	3-6	70
	10-60	2-5	70



Exploded view



Explosion

01 Pump body	08 Fixing ring	15 Base-cover
02 Hexagon screw	09 Shield(rotor containing)	16 Druve viard
03 Hexagon screw	10 Seal washer	17 Up-cover
04 Impeller	11 Seal ring	18 Hexagon screw
05 Connection plate	12 Stator	19 Protective wire cap
06 Thrust ring	13 Housing	
07 Permanent-magnet rotor	14 Seal washer	