

COMPASS | DESIGN ENVELOPE VARIABLE SPEED WET ROTOR CIRCULATORS | SUBMITTAL

File No: 10.65
Date: AUGUST 01, 2013
Supersedes: NEW
Date: NEW

Job: _____ Representative: _____
 _____ Ordered by: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

TECHNICAL DATA

Certification: ETL listed for US and Canada (conforms to UL STD.778 certified to CSA STD. C22.2 NO.108-01)
 NSF 372 certified (for stainless steel models)
Flow range: 0 - 20 USgpm (0 to 1.26 L/s)
Head range: 0 - 20.0 feet (0 to 6.09 m)
Maximum fluid temperature: 230°F (110°C)**
Maximum working pressure: 150 psi (1034 kPa)

MATERIALS OF CONSTRUCTION

Pump body: Cast iron (closed systems)
 Stainless steel* (open systems)
Impeller: PA66
Shaft: Ceramic
Bearings: Ceramic
Gasket material: EPDM

DIMENSIONS AND WEIGHTS

STAINLESS STEEL*	A	B	C	D	E	F	G	CONNECTION TYPE & SIZE	WEIGHT
Compass 20-20 ss flange	6.50 (165)	7.08 (180)	5.75 (146)	4.00 (102)	2.00 (50)	3.25 (80)	5.31 (135)	Flange - (2) ½" dia. bolt holes	8.0 (3.6)
CAST IRON	A	B	C	D	E	F	G	CONNECTION TYPE & SIZE	WEIGHT
Compass 20-20 ci flange	6.50 (165)	7.08 (180)	5.75 (146)	4.00 (102)	2.00 (50)	3.25 (80)	5.31 (135)	Flange - (2) ½" dia. bolt holes	8.0 (3.6)

NOTE:

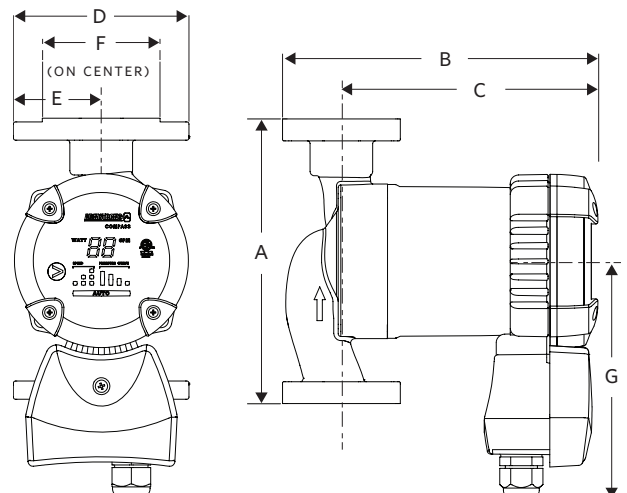
All dimensions are in inches (mm) and weights in lbs (kg).
 * Certified <0.25 weighted average percent lead and complies with California Health and Safety Code Section 116875 (commonly known as AB 1953).
 ** For open systems, it is recommended that the fluid temperature be less than 150°F (66°C) to avoid precipitation of calcium.

HARDWARE KIT

Companion flange kit (contains two (2) flanges, hardware and gaskets)

Cast iron: 0.75", 1", 1.25", 1.5"
Bronze: 0.75", 1", 1.25", 1.5"

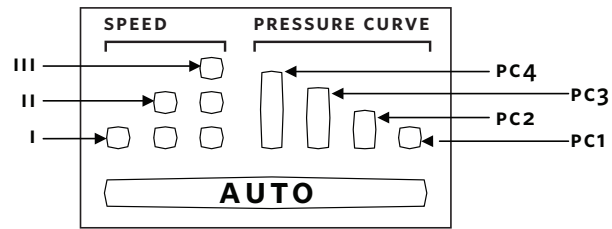
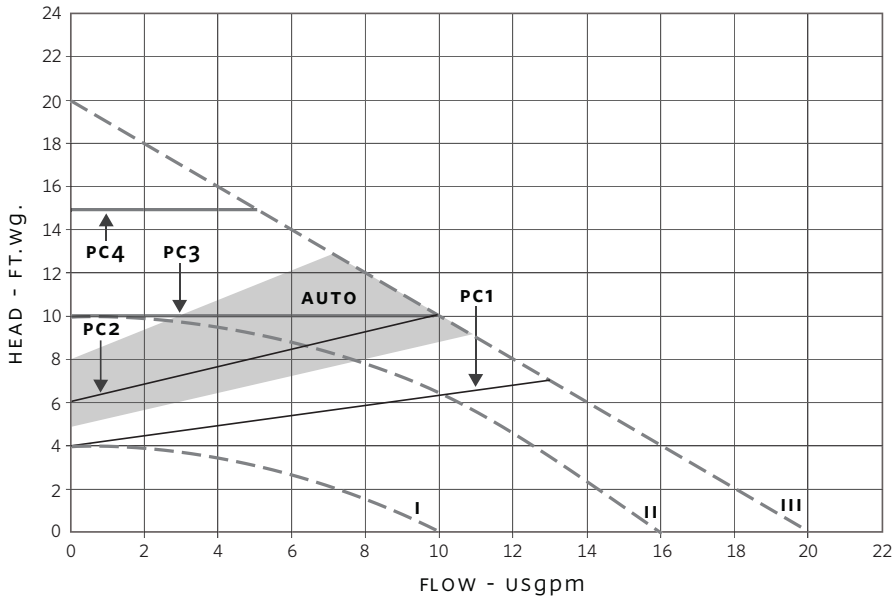
COMPASS FLANGE



MOTOR DATA

MODEL	POWER SUPPLY	MIN CURRENT (A)	MAX CURRENT (A)	MIN POWER (W)	MAX POWER (W)
COMPASS	115V, 60HZ Single phase	0.05	0.65	5	45

COMPASS PERFORMANCE CURVES



Lights on the display indicate the Control mode selected.

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