

DESIGN ENVELOPE 4300 VIL 1619-800.0 SUBMITTAL

See file no. 43.50 for standard mechanical seal details as

indicated below

☐ c1 (a)

Armstrong seal reference number

☐ Others: __

File No: 100.4248

Date: DECEMBER 17, 2015

Supersedes: 100.4228

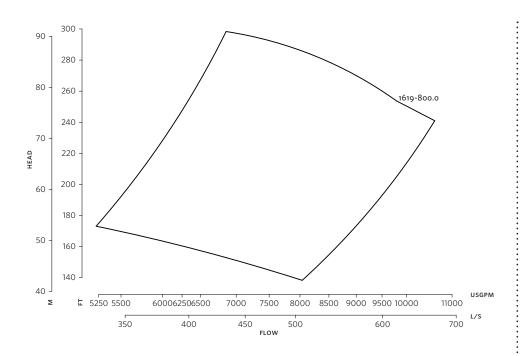
Date: AUGUST 14, 2015

Job:	Repre	sentative:	
	Order	No:	Date:
Engineer: Subm		itted by:	Date:
Contractor: Appro		oved by:	Date:
PUMP DESIGN DATA		: CONTROLS DATA	
No. of pumps:	Tag:	: Sensorless Control:	Standard
Capacity:USgpm (L/s)	Head:ft (m)	Minimum system pressure to be maintained:	ft (m)*
Temperature: °F (°C)		Orientation:	☐ L1 (default) ☐ L2 ☐ L3 ☐ L4
Suction: 16" (400 mm)	Discharge: 16" (400 mm)	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified		Protocol (optional):	☐ LonWorks®
		Enclosure:	☐ Indoor – UL TYPE 12
		Fused disconnect switch:	
MOTOR DESIGN DATA HP: RPM: Frame size: _	Enclosure:	ЕМІ/RFI control:	Integrated filter designed to meet EN61800-3
Volts: Hertz: 60 Hz Phase: 3 Efficiency: NEMA premium 12.12		Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
		Cooling:	Fan-cooled through back channel
MAXIMUM PUMP OPERATIN ANSI 125	IG CONDITIONS	Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
175 psig at 150°F (12 bars at 65°C) 100 psig at 300°F (7 bars at 150°C)		Analog ı/o:	Two current or voltage inputs, one current output
ANSI 250		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
375 psig at 150°F (26 bars at 65°C) 260 psig at 300°F (21 bars at 150°C)		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
 Tolerance of ±0.125" (±3 mm) sho For exact installation, data please certified dimensions 		Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN DATA		**The Ivs 102 drive is a low harmonic d guaranty performance to any systen a system wide specification. If suppl	ure is not known: Default to 40% of design head Irive via built-in DC line reactors. This does not n wide harmonic specification or the costs to meet ied with the system electrical details, Armstrong e system wide harmonics. If system harmonic

levels are exceeded Armstrong can also recommend additional harmonic mitigation

and the costs for such mitigation.

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DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 500

Size: 16×16×19

HP: 800

RPM: 1800

B: 22.88(581)

c: 15.66(398)

D: 36.00(914)

P: 34.00(864)

s: 36.00(914)

sp: 72.00(1829)

T: 17.78(452)

XY: 108.10(2746)

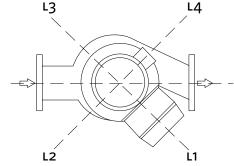
Weight: 11064(5018.5)

Performance curves are for reference only.

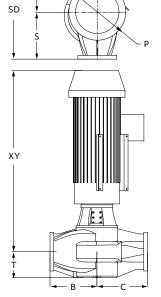
Confirm current performance data with Armstrong ACE Online selection software.

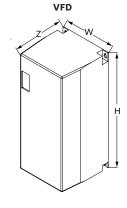
Dimensions - inch (mm) Weight - lbs (kg)

INDOOR









See file no. 94.65 for VFD dimensions

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