

DESIGN ENVELOPE 4380 VIL

lob.

MECHANICAL SEAL DATA

Stationary seat: Silicone carbide

Rotating hardware: Stainless steel

Secondary seal: EPDM

Spring: Stainless steel

Seal type: 2A

SINGLE PHASE | 0208-002.0 | SUBMITTAL

File No: 100.4386

Date: OCTOBER 27, 2014

Supersedes: NEW

Date: NEW

			Representative.			
			Order No:	Date:		
Engineer:			Submitted by:	Date:		
Contractor:			Approved by:	Date:		
PUMP DES	IGN DATA		CONTROLS DATA			
Capacity:	USgpm (L/s)	Tag:ft (m) Viscosity:	Sensorless control:			
	°F (°C)	Specific gravity: Discharge: 2" (50mm)	Minimum system pressure to be maintained	e: : ft (m)* :		
MOTOR DE	SIGN DATA			: ☐ Modbus RTU ☐ BACnet™ Ms/TP ☐ Johnson® N2 ☐ Siemens® FLN		
HP: 2	RPM: 1450	Frame size:	Protocol (optional)			
	Volts: 208	Freq: 60 Hz	Enclosure	: \[\lndoor - UL TYPE 12 \[\lndoor - UL TYPE 4X with weather shield \[\lndoor - UL TYPE 4X less weather shield		
Priase: 3	Efficiency: NEA	ла premium 12.12	Disconnect switch			
MAXIMUM	PUMP OPERA	ATING CONDITIONS	EMI/RFI control	control: 1-phase IVS102 units do not meet the EN61800-3 directive		
	°F (12 bars at 65°C) 0°F (10 bars at 121°C		Harmonic suppression	sion: Dual DC-link reactors (equivalent: 5% AC line reactor) supporting IEEE 519-1992 requirements**		
ANSI 250			Cooling	: Fan-cooled through back channel		
300 psig at 150°F (20 bars at 65°C) 250 psig at 250°F (17 bars at 121°C)			Ambient temperature	e: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)		
			Analog ı/o	: Two current or voltage inputs, one current output		
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for certified dimensions 			Digital ı/o	Digital I/o: Six programmable inputs (two can be configured as outputs)		
			: Pulse innuts	Two programmable		

Representative:

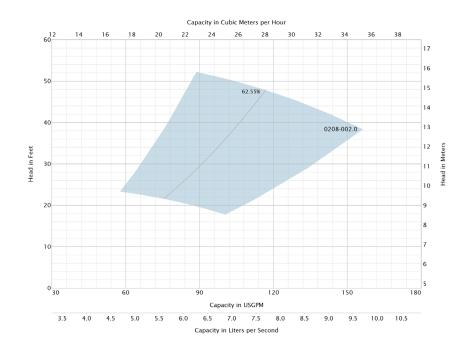
Relay outputs: Two programmable

Communication port: 1-RS485, 1-USB

FLUID TYPE	ALL GLYCOLS >	30% WT CONC	ALL OTHER NO	N-POTABLE FLUIDS	POTABLE (DRII	NKING) WATER
Temperature	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C
Rotating face	Silicone carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
Seat elastomer	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (0-ring)
Material code	SCSC L EPSS 2A	SCsc o epss 2A	C-SC L EPSS 2A	ACSC O EPSS 2A	C-SC L EPSS 2A	C-SC O EPSS 2A

^{*}If minimum maintained system pressure is not known: Default to 40% of design head

**The IVS 102 drive is a low harmonic drive via built-in DC line reactors. This does not guaranty
performance to any system wide harmonic specification or the costs to meet a system wide
specification. If supplied with the system electrical details, Armstrong will run a computer
simulation of the system wide harmonics. If system harmonic levels are exceeded Armstrong
can also recommend additional harmonic mitigation and the costs for such mitigation.



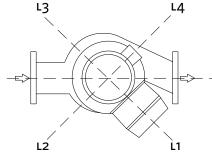
Performance curves are for reference only.

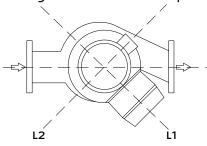
 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$

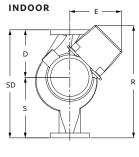
DIMENSION DATA

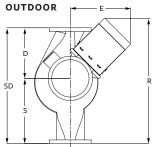
	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)		
Frame size:	145	145		
Size:	2×2×8	2×2×8		
HP:	2	2		
RPM:	1450	1450		
AB:	23.53(598)	29.56(751)		
в:	5.80(147)	5.80(147)		
c:	5.80(147)	5.80(147)		
D:	8.50(216)	8.50(216)		
E:	13.71(348)	17.20(437)		
F:	13.71(348)	17.20(437)		
P:	8.63(219)	7.83(199)		
s:	9.50(241)	9.50(241)		
SD:	18.00(457)	18.00(457)		
T:	5.09(129)	5.09(129)		
XY:	17.26(438)	17.01(432)		
Weight:	233(105.7)	239(108.4)		

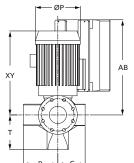
Dimensions - inch (mm) Weight - lbs (kg)

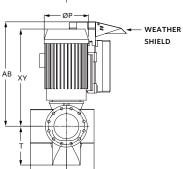












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ARMSTRONG FLUID TECHNOLOGY ESTABLISHED 1934