

2'' DIAPHRAGM PUMP PD20A

MODEL INGERSOLL RAND PD20A-AAP-GGG-G

Nitrile seals, ball and diaphragm, suitable also for light oil & diesel pumping.



OEM / Transfer Pumps

2" Metallic Performance Specifications

Ratio:	1:1
Maximum GPM (LPM):	172 (651)
Displacement per cycle: @ 100 psi (Gallons (Liters))	1.4 (5.3)
Air Inlet (Female):	3/4 - 14 N.P.T.F.-1
Fluid Inlet/Outlet (Female):	PX20X-AXX-XXX-B() 2 - 11-1/2 N.P.T.F.-1 PX20X-BXX-XXX-B() Rp 2 - 11 BSP parallel PX20X-FXX-XXX-B() 2" A.N.S.I./DIN Flange
Max. operating pressure psi (bar):	120 (8.3)
Suspended solids max. dia. in. (mm):	1/4" (6.4)
Maximum dry suction lift ft (m):	14 (4.2) Elastomer fitted

Weight lbs (kg):

Air Motor	Connection	Wetted	Pump Wgt	Air Motor	Connection	Wetted	Pump Wgt
PD20A	AL Thread	AL	91.4 (41.5)	PD21S	SS Thread	AL	120.3 (54.6)
	AL Thread	CI	147.4 (66.9)		SS Thread	CI	176.3 (80)
	AL Thread	H	155 (70.3)		SS Thread	H	183.9 (83.4)
	AL Thread	SS	149.8 (68)		SS Thread	SS	178.7 (81.1)
	AL Flange	H	162.2 (73.6)		SS Flange	H	191.1 (86.7)
	AL Flange	SS	162.2 (73.6)		SS Flange	SS	191.1 (86.7)
PD20R	Poly Thread	CI	165 (74.8)				
	Poly Thread	H	154 (69.9)				
	Poly Thread	SS	154 (69.9)				
	Poly Flange	H	146 (66.2)				
	Poly Flange	SS	146 (66.2)				

AL-Aluminum, CI-Cast Iron, H-Hastelloy, SS-Stainless Steel

Sound Level:

PSI	Cycles / Min	db(A)
70	50	85.0

Ordering Menu

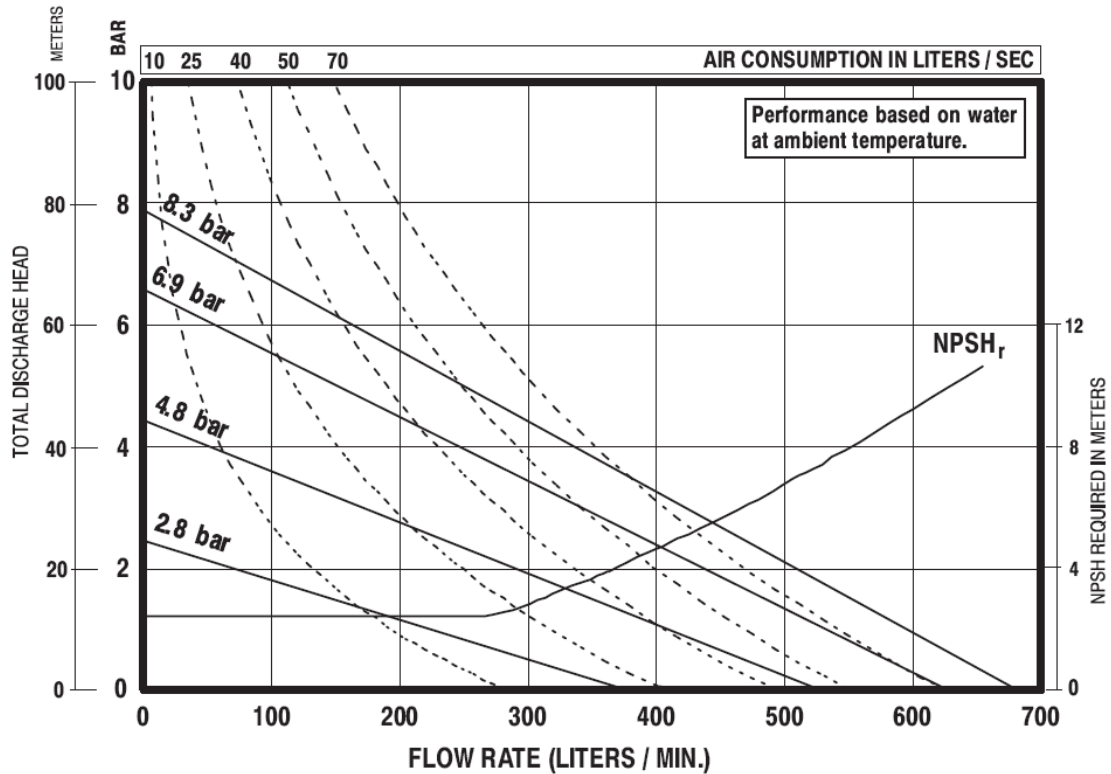
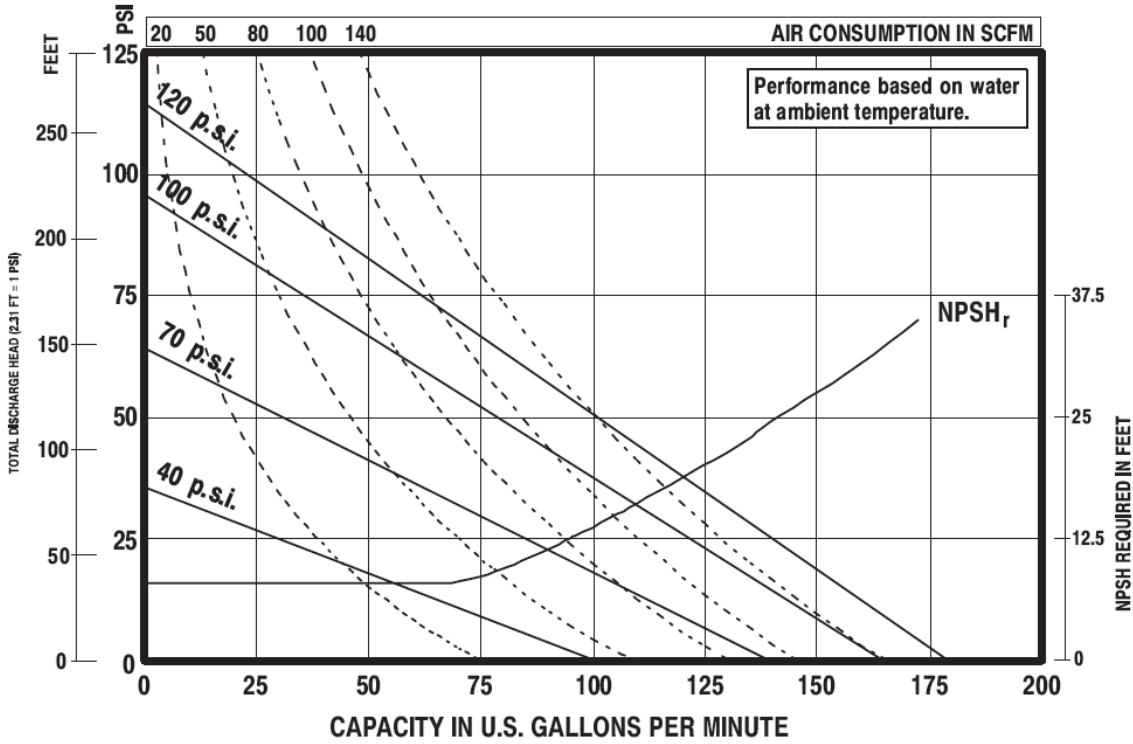
<u>PX20</u>	<u>X</u>	-	<u>X</u>	<u>X</u>	<u>X</u>	-	<u>X</u>	<u>X</u>	<u>X</u>	-	<u>E</u>
Model Series	Center Section		Connection		Hardware		Seat Material		Diaphragm Material		
PD20 Standard Pump	A Aluminum		A N.P.T.F. Thread		P Plated Steel		A Santoprene		A Santoprene		
PE20 Electronic Interface Accessible Pump	R Polypropylene w/SS Air Caps		B BSP Thread		S Stainless Steel		C Hytrel		C Hytrel		
	S Stainless Steel		F* 2" A.N.S.I./DIN Flange (Center)				E Carbon Steel		G Nitrile		
	Y Polypropylene w/CI Air Caps		Wetted Parts				F Aluminum		M Medical Grade Santoprene		
			A Aluminum ¹				G Nitrile		T PTFE/Santoprene		
			C Cast Iron				H 440 Stainless Steel (Hard)		V Viton		
			H Hastelloy				K PVDF		Ball Material		
			S Stainless Steel				L Hastelloy-C		A Santoprene		
			¹ Stainless Steel pumps only				S 316 Stainless Steel		C Hytrel		
			² Not available on PD20R-X						G Nitrile		

Accessories*



PERFORMANCE CURVES

PD20X-XXX-XXX-B / PE20X-XXX-XXX-B() 2" METALLIC DIAPHRAGM PUMP



Material Service Guideline

This chart is a quick reference guide. Always check material compatibility with a trusted chemical guide.

	Maximum Operating Temp Limit F (C)	Chemical Resistance	Scale 1 - 5 (5 is best) Abrasion Resistance	Flex Life*
Acetal	180 (82)	3	3	-
Aluminum	-	1	3	-
Cast Iron	-	3	4	-
Geolast (Nitrile Based)	180 (82)	2	2	3
Hastelloy C	-	5	-	-
Hytel	150 (66)	2	4	4
Neoprene	200 (93)	2	2	3
Nitrile	180 (82)	2	2	3
Polypropylene	150 (66)	4	2	-
Polyurethane	150 (66)	1	4	4
PTFE	225 (107)	5	2	4**
PVDF	200 (93)	5	2	-
Santoprene	225 (107)	4	4	5
Stainless Steel (300 Series)	-	4	4	-
Stainless Steel (400 Series)	-	3	5	-
Viton	350 (177)	4	2	1

* Applies to diaphragms only.

** Increased flex life with use of santoprene diaphragm backer.

NOTE: Temperatures are reference for materials only. Refer to operator's manual for maximum pump operating temperature.

Port Gentil:

juan.Guerrero@ois-group.com

olivier.vacher@ois-group.com

bert.bouchard@ois-group.com

Pointe Noire:

jean-pierre.lafont@ois-group.com

ignacio-guerrero@ois-group.com

www.ois-group.com