

ARO

Natural Gas Driven Diaphragm Pumps



From ARO, the world-leader in stall and ice-free pump technology, comes three new natural gas driven diaphragm pump models. Introducing the new CSA Certified diaphragm pumps. CSA (Canadian Standards Association) is internationally known for standards and certification of equipment that is powered by natural gas. These pumps are the ideal answer to fluid handling operations in remote locations, such as oil and gas facilities, where sweet natural gas is an available energy source. Combined with ARO's patented valve technologies, these gas-driven pumps have the wetted and body materials to deliver superior fluid compatibility and performance in a portable package.

Features:

- Ice-free, stall-free operation
- Bolted construction for leak-tight material integrity
- All-metal construction
- Big delivery: flows up to 133 LPM
- Lube-free operation
- Grounding strap included with pump
- Ported exhaust
- 5 year warranty
- CSA Certified: meets the CSA U.S./International requirement No. 2.01 for natural gas operated diaphragm pumps



1/2" CSA Certified
Diaphragm Pump
Model PG05A-AAS-FGG-B



1" CSA Certified
Diaphragm Pump
Model 6661H0-1C9-C



Grounding strap
included with pump

See reverse side for ordering information.

 **Ingersoll Rand**
Industrial Technologies

Natural Gas Driven Diaphragm Pumps

1/2" Metallic Performance Specifications

Ratio:	1:1
Maximum Flow:	12.0-g.p.m. (45.4-l.p.m.)
Displacement per cycle:	0.039-Gallons (0.15-Liters)
Gas Inlet: (Female)	1/4 - 18 N.P.T.F - 1 (PD05A-X-X-B models)
Fluid Inlet:	1/2 - 14 N.P.T.F. - 1
Fluid Outlet:	1/2 - 14 N.P.T.F. - 1
Exhaust Port:	3/8-18 NPT
Max. operating pressure:	100-psi (6.9-bar)
Suspended solids maximum diameter:	3/32-in. (2.4-mm)
Weight: lbs (kg)	PG05A-XAS-XXX-B 10.4 (4.7)
Maximum dry suction lift:	9.1-ft (2.8-m)

1" Metallic Performance Specifications

Ratio:	1:1
Maximum Flow:	35-g.p.m. (133-l.p.m.)
Displacement per cycle:	0.16-Gallons (0.60-Liters)
Gas Inlet: (Female)	1/4 - 18 N.P.T.F. - 1
Fluid Inlet:	1 - 11-1/2 N.P.T.F. - 1
Fluid Outlet:	1 - 11-1/2 N.P.T.F. - 1
Exhaust Port:	3/8-18 NPT
Max. operating pressure:	120-psi (8.3-bar)
Suspended solids maximum diameter:	1/8-in. (3.2-mm)
Weight: lbs (kg)	6661H0-X-C (aluminum) 19 (8.6)
Maximum dry suction lift:	20-ft (6.1-m)

Ordering Menu for 1/2" N.P.T.F. models

PG05	A	-	A	A	S	-	F	X	X	-	B
Model Series	Center Section Material		Fluid Connection	Fluid Caps/Manifold Material	Hardware Material		Seat Material	Ball Material	Diaphragm Material		
CSA Certified	A Aluminum		1/2" N.P.T.F.	A Aluminum	S Stainless Steel		F Aluminum	C Hytrel* G Geolast	C Hytrel* G Geolast		

* Hytrel replaces Nitrile producing superior chemical compatibility and diaphragm life

Ordering Menu for 1" N.P.T.F. models

6661H	0	-	1	C	9	-	C
Center Body/Threads	Fluid Caps/Manifold Material		Seat Material	Ball Check Material	Diaphragm Material		
CSA Certified 1" N.P.T.F.	0 Aluminum (steel hardware)		1 Aluminum	C Hytrel	9 Hytrel		

Accessories*

Air Line Connection Kit* | Kit No. 66073-1 (1/2" pump), 66073-2 (1" pump)

Kit includes Piggyback Filter/Regulator with gauge, pipe nipple and a 5-foot section of air hose.

Service Repair Kits for 1/2" Pump | Kit No. 637428 (air section) Kit No. 637427-XX (fluid section)

Service Repair Kits for 1" Pump | Kit No. 637118-C (air section) Kit No. 637119-XX-C (fluid section)

Wall Mount | 76763 (1/2" pump only)

* Please note pumps are not included with these kits.



Ingersoll Rand Industrial Technologies provides products, services, and solutions to enhance the efficiency and productivity of our commercial, industrial, and process customers. Our innovative products include air compressors, air systems components, tools, pumps, material and fluid handling systems and microturbines.

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