



AR115BP Series



AR403 Series



AR813 Series



1-3/8" Male 6 Splined Thru Shaft



Gear Reduction Units



SP Version Straight 3/4" or 1" Keyed Shaft

**AR Diaphragm Pumps** are a great choice for fluid transfer and spraying of a wide range of chemicals and solutions. Most pumps are interchangeable with common diaphragm pumps in the market. Ideal for lawn and turf care, agriculture, tree spraying, house washing, roof cleaning and a wide variety of industrial applications\*.

**Polypropylene or Coated Aluminum Bodies.**

BlueFlex proprietary diaphragms are standard and can handle a wide variety of chemicals and solutions. Viton® diaphragms are standard on a few pumps as shown. Viton®, Buna and Desmopan diaphragms are available in most models if required. All pumps are self-priming and can be run dry. Maximum fluid temperature is 140° F.

All models are rated to 550 RPM and are designed to be direct driven by gas engines with gear reducers, PTO shafts, pulleys or hydraulic motors. Some models include a drive package with gear box reducers and pressure controls. *(Pressure controls are shown on adjacent pages and can be direct mount or remote mount. All pumps require some type of pressure control if not included).*

Pumps are shown with 3/4" or 1" solid keyed shafts or with gear boxes with 3/4" or 1" hollow shafts for direct mount to gas engines. Bare and male or female 1-3/8" splined shafts are also standard on some models. Pulley drive kits and hydraulic drive kits are also available. **Note:** Diaphragm & Valve Kits Available for All Models.

\* Consult Tech Sales for chemical limitations.

**Low Pressure Models - 220-360 PSI**

Part No.	GPM	PSI	Shaft	Body	Inlet	Outlet	Gas HP
AR 25LPGR34GCI	* 6.4	290	3/4" Hollow	Poly	1"	3/8" HB	1.7
AR 252SPSGC	6.5	360	3/4" Solid	Alum.	3/4"	1/2"	2.1
AR 252GRGCI34	* 6.5	360	3/4" Hollow	Alum.	3/4"	1/2"	2.1
AR 45LFPSP	11.4	290	3/4" Solid	Poly	1-1/2"	1"	3.2
AR 45LFPGRGCI	** 11.4	290	3/4" Hollow	Poly	1-1/2"	1"	3.2
AR 60LFPSP	15.6	290	3/4" Solid	Poly	1-1/2"	1"	3.3
AR 60LFPGRGCI	** 15.6	290	3/4" Hollow	Poly	1-1/2"	1"	3.3
AR 70BPSP	19.6	290	—	Alum.	1-1/4"	1"	5.1
AR 70BPGR34	# 19.6	290	3/4" Hollow	Alum.	1-1/4"	1"	5.1
AR 80BPSP	20.2	290	3/4" Solid	Poly	1-1/4"	1"	5.2
AR 80LFPGRGCI	** 20.2	290	3/4" Hollow	Poly	1-1/4"	1"	5.2
AR 115BPSP	28.5	290	—	Alum.	1-1/2"	1"	8.2
AR 115BPSPA1	28.5	290	1" Solid	Alum.	1-1/2"	1"	8.2
AR 115BPGR34	# 28.5	290	3/4" Hollow	Alum.	1-1/2"	1"	8.2
AR 135BPGR1	# 33.8	290	1" Hollow	Alum.	1-1/2"	1"	10
AR 140LFPSP	35.1	220	25mm Solid	Poly	1-1/2"	1"	7.8
AR 135BPC	33.8	290	1-3/8" M Spline	Alum.	1-1/2"	1"	10
AR 160BPCC	43.9	290	1-3/8" M Spline	Alum.	2"	1-1/4"	10
AR 185LFPCC	48.1	290	1-3/8" M Spline	Poly	2"	1-1/2"	11
AR 250BPCC	67.2	290	1-3/8" M Spline	Alum.	2"	1-1/4"	17
AR 330BPCC	84.2	290	1-3/8" M Spline	Alum.	2-1/2"	1-1/4"	26
AR 380BPCC	97.1	290	1-3/8" M Spline	Alum.	2-1/2"	1-1/4"	30

\* Gearbox, Pressure Control, BlueFlex Diaphragm.

\*\* Gearbox, Pressure Control, Viton® Diaphragm.

# Gearbox, BlueFlex Diaphragm, No Pressure Control.



**Medium & High Pressure Models - 580-725 PSI**

Part No.	GPM	PSI	Shaft	Body	Inlet	Outlet	Gas HP
AR 30SP	** 9.6	580	-	Alum.	1"	1/2"	4.4
AR 30DSP	*** 9.6	580	-	Alum.	1"	1/2"	4.4
AR 30SPA34	9.6	580	3/4" Solid	Alum.	1"	1/2"	4.4
AR 30GR34GCI	* 9.6	580	3/4" Hollow	Alum.	1"	1/2"	4.4
AR 403SP	** 10.7	580	—	Alum.	1-1/4"	1/2"	5.6
AR 403SPA1	10.7	580	1" Solid	Alum.	1-1/4"	1/2"	5.6
AR 403GR34GCI	* 10.7	580	3/4" Hollow	Alum.	1-1/4"	1/2"	5.6
AR 40SPA34	12.2	580	3/4" Solid	Alum.	1-1/4"	1/2"	5.9
AR 40GR34GCI	* 12.2	580	3/4" Hollow	Alum.	1-1/4"	1/2"	5.9
AR 503SP	** 14.3	580	—	Alum.	1-1/4"	3/4"	8.4
AR 503SPA1	14.3	580	1" Solid	Alum.	1-1/4"	3/4"	8.4
AR 503GR1GCI	* 14.3	580	1" Hollow	Alum.	1-1/4"	3/4"	8.4
AR 50SP	** 14.8	580	—	Alum.	1-1/4"	1/2"	8.7
AR 50SPA1	14.8	580	1" Solid	Alum.	1-1/4"	1/2"	8.7
AR 50GR1GCI	* 14.8	580	1" Hollow	Alum.	1-1/4"	1/2"	8.7
AR 813CSP	† 21.1	580	1-3/8" M Spline	Alum.	1-1/2"	3/4"	14.7
AR 813GRCPGCI	* 21.1	580	1" Hollow	Alum.	1-1/2"	3/4"	14.7
AR 1064CSP	† 28.7	725	1-3/8" M Spline	Alum.	1-1/2"	3/4"	19.7
AR 1064GR1GCI	* 28.7	725	1" Hollow	Alum.	1-1/2"	3/4"	19.7
AR BHA130CC	33.7	725	1-3/8" M Spline	Alum.	1-1/2"	3/4"	21.8
AR BHA150CC	37.7	725	1-3/8" M Spline	Alum.	1-1/2"	3/4"	24.5
AR BHA170CC	42.4	725	1-3/8" M Spline	Alum.	1-1/2"	3/4"	29.0
AR BHA200CC	51.2	725	1-3/8" M Spline	Alum.	1-1/2"	3/4"	33.0

\* Pressure Control, BlueFlex Diaphragm and Gearbox for 3/4" or 1" Engines as noted. † Flanged.

\*\* Pump Only - No Pressure Control. \*\*\* Pump Only - No Pressure Control- Desmopan Diaphragms.