

# Low Pressure Diaphragm Pumps

## Low Pressure Pumps up to 20 Bar (290psi)

Croplands AR pressure pumps are amongst the strongest and most reliable pumps available today. You can choose from a wide range of options such as drive type, controllers and mountings. All Croplands AR pumps are oil backed positive displacement Diaphragm type pumps, fitted with chemical resistant diaphragms and corrosion resistant bodies.



For Controllers, see page 24

### Pump Specifications

PUMP	DIAPHRAGM NO.	MAXIMUM DELIVERY L/MIN	MAXIMUM PRESSURE BAR (PSI)	MAXIMUM RPM	POWER REQUIRED KW (HP)	WEIGHT KG
AR70	2	72	20 (290)	550	2.5 (3.4)	9.5
AR115	3	114	20 (290)	550	2.5 (3.4)	13
AR125	3	125	20 (290)	550	3.2 (4.3)	21
AR135	3	132	20 (290)	550	5.0 (6.7)	14
AR145	3	136	20 (290)	550	3.7 (4.9)	21
AR160	4	161	20 (290)	550	5.5 (7.4)	28
AR185	4	180	20 (290)	550	6.1 (8.2)	28
AR250	6	250	20 (290)	550	8.6 (11.5)	36
AR280	6	282	20 (290)	550	9.6 (12.9)	36
AR370	8	371	20 (290)	550	10.2 (13.7)	58
AR500	12	500	20 (290)	550	13.3 (17.8)	75

### Fitting & Mounting

- C** **CARDAN Shaft Drive**  
Pump is fitted with a 1 3/8" male 6 spline shaft and mounting legs.
- CF** **Female Input** 25mm input for male shaft from hydraulic or engine drive.
- T** **Tractor kit** Supplied with female 1 3/8" 6 spline coupling and torque chains for mounting directly onto the tractor's PTO shaft.
- SP** **Bare shaft** No shaft is supplied. Pump comes with a round shaft with two drive pin holes.
- P** **Pulley** Supplied with drive pulley & mounting flange.
- APCC** **Thru Shaft** 1 3/8" six spline input & output shafts.
- CR** **Engine Drive Gear**  
Built in 6 to 1 gearbox.



AR115 / AR135



AR160



AR70



AR250/280



Direct-flanged 250-APCC

## Low Pressure Diaphragm Pumps & Attachment Kits

PUMP MODEL	T		SP		C		P		CR		CF25		APCC		PROD CAT
	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	
AR70	952.49	1,047.74	791.68	870.85	810.24	891.26	872.09	959.30	1,175.16	1,292.68					Y
AR115	1,267.93	1,394.72	1,107.12	1,217.83	1,150.41	1,265.45	1,187.53	1,306.28	1,484.41	1,632.85					Y
AR125													1,546.25	1,700.88	Y
AR135	1,348.33	1,483.16	1,187.53	1,306.28	1,187.53	1,306.28	1,267.93	1,394.72	1,688.51	1,857.36					Y
AR145									1,918.49	2,110.34					Y
AR160											1,875.94	2,063.53	1,843.13	2,027.44	Y
AR185											1,962.51	2,158.76	1,935.91	2,129.50	Y
AR250													2,430.71	2,673.78	Y
AR280													2,659.57	2,925.53	Y
AR370													3,488.35	3,837.19	Y
AR500													4,612.27	5,073.50	Y

### Dual Pump Kits

For higher flows, or to use a second pump for agitation off a primary liquid pump, consider a direct-flanged option. The flange is designed to couple the 1 3/8" splined shafts of the AR250-APCC pump & the secondary pump (AR115-C) and to support the secondary pump without additional foot-mounts.

ORDER CODE	DESCRIPTION	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR250-115C	Direct-flanged AR250-APCC coupled to AR115 pump	3,932.50	4,325.75	Y
AR250-135C	Direct-flanged AR250-APCC coupled to AR135 pump	4,014.20	4,415.62	Y



# Medium Pressure Diaphragm Pumps

## Medium Pressure Pumps up to 40 Bar (580psi)

Croplands AR pressure pumps are amongst the strongest and most reliable pumps available today. You can choose from a wide range of options such as drive type, controllers and mountings. All Croplands AR pumps are oil backed positive displacement Diaphragm type pumps, fitted with chemical resistant diaphragms and corrosion resistant bodies.



For Controllers, see pages 14 & 15

### Pump Specifications

PUMP	DIAPHRAGM NO.	MAXIMUM DELIVERY L/MIN	MAXIMUM PRESSURE BAR (PSI)	MAXIMUM RPM	POWER REQUIRED KW (HP)	WEIGHT KG
AR252	2	25	25 (360)	550	1.2 (1.6)	4
AR30	2	35	40 (580)	550	2.4 (3.2)	11
AR503	3	55	40 (580)	550	3.9 (5.2)	13



AR252



AR30



AR503

### Fitting & Mounting

**C** **CARDAN Shaft Drive Pump** is fitted with a 1 $\frac{3}{8}$ " male 6 spline shaft and mounting legs.

**T** **Tractor kit** Supplied with female 1 $\frac{3}{8}$ " 6 spline coupling and torque chains for mounting directly onto the tractor's PTO shaft.

**SP** **Bare shaft** No shaft is supplied. Pump comes either with a flange and three threaded drive bolt holes or a round shaft with two drive pin holes.

**PGI** **Pulley** Supplied with the appropriate pulley controller mounted on pump.

**APC** **Thru Shaft** 1 $\frac{3}{8}$ " six spline input & bare output shaft.

**CRGI** **Engine Drive Gear Box** Built in 6 to 1 gearbox, controller mounted

## Medium Pressure Diaphragm Pumps & Attachment Kits

PUMP MODEL	T		SP		C		PGI		CRGI		APC		PROD CAT
	\$		\$		\$		\$		\$		\$		
Refer to table above for specifications	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	(Ex. GST)	(Inc. GST)	
AR252	655.62	721.18	493.57	542.93	562.84	619.12	754.57	830.03	766.94	843.63			Y
AR30	903.01	993.31	723.65	796.02	740.97	815.07	1,001.97	1,102.17	1,261.74	1,387.91			Y
AR503	1,110.82	1,221.90	903.01	993.31	958.67	1,054.54	1,155.35	1,270.89	1,589.54	1,748.49	1,008.16	1,108.98	Y

## Diaphragms, Valves & Valve Springs

DIAPHRAGMS FOR PUMP MODELS	MATERIAL	CODE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max).	HPDS	AR550086	37.78	41.56	Y
AR30 (40 bar max) AR503 (50 bar max)	GOMMA	AR620080	24.94	27.43	Y
AR30 (40 bar max)	DESMOPAN	AR620085	29.95	32.95	Y
AR19 & 252 (20 bar max)	HPDS	AR800086	19.07	20.98	Y
AR813, 1064 (50 bar max)	GOMMA	AR1040081	31.36	34.50	Y
ARBHA140, BHS140, BHS160/170, BHS200 (50 bar max)	GOMMA	AR2240080	40.88	44.97	Y

VALVES FOR PUMP MODELS	CODE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/170, AR2HS200 (50 bar max)	AR759051	43.03	47.33	Y
AR30 (40 bar max). AR503, 813, 1064 (50 bar max).	AR1409050	33.27	36.60	Y
AR19 & 252 (20 bar max).	AR809060	35.78	39.36	Y

VALVE O-RINGS FOR PUMP MODELS	CODE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR125, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/170, BHS200 (50 bar max)	AR680070	2.82	3.10	Y
AR70, 115, 135 (20 bar max).	AR320030	2.52	2.77	Y
AR30 (40 bar max). AR503, 813, 1064 (50 bar max).	AR620030	1.33	1.46	Y
AR19 & 252 (20 bar max).	AR880830	0.49	0.54	Y



# High Pressure Diaphragm Pumps

## High Pressure Pumps up to 50 Bar (725psi)

Croplands AR high pressure pumps are amongst the strongest and most reliable pumps available today. Fitted as standard equipment for many years to most reputable airblast sprayers. All Croplands AR pumps are oil backed positive displacement diaphragm type pumps, fitted with chemical resistant diaphragms and corrosion resistant bodies.

**Brass Head BHS Series** - Four diaphragm pumps, front external inlet/outlet manifolds, brass heads, manifolds, inlet and outlet.



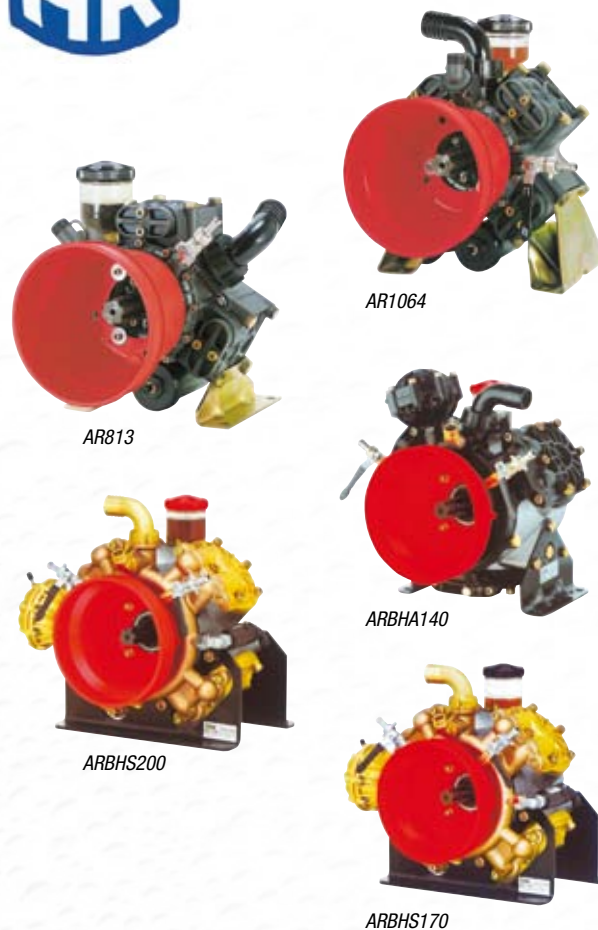
### Fitting & Mounting

**APCC = Thru Shaft**  
1 3/8" six spline input & output shafts.

Pump Specifications						
PUMP	DIAPHRAGM NO.	MAXIMUM DELIVERY L/MIN	MAXIMUM PRESSURE BAR (PSI)	MAXIMUM RPM	POWER REQUIRED KW (HP)	WEIGHT KG
AR813	3	81	50 (725)	550	7.4 (9.9)	20
AR1064	4	105	50 (725)	550	9.8 (13.1)	22
ARBHA140	3	142	50 (725)	550	12.7 (17.1)	40
ARBHS170	4	163	50 (725)	550	13.1 (17.6)	65
ARBHS200	4	193	50 (725)	550	16.3 (21.8)	65

PUMP MODEL	APCC THRU SHAFT 1 3/8" SHAFTS BOTH ENDS		
	\$ (EX. GST)	\$ (EX. GST)	PROD. CAT.
AR813-APCC	1,180.11	1,298.12	Y
AR1064-APCC	1,546.25	1,700.88	Y
ARBHA140-APCC	2,461.65	2,707.82	Y
ARBHS170-APCC	3,154.37	3,469.81	Y
ARBHS200-APCC	3,772.86	4,150.15	Y

For Controllers, see page 24.



## Centrifugal Pumps



FMC-150-HYD-206



BANJO 200PHY

ORDER CODE	DESCRIPTION	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
FMC-150-HYD-206	Suction 1-1/2" Discharge 1-1/4". For use on pressure compensating closed centre & load sensing or pressure flow compensating closed centre systems, open-centre systems from 26 to 60 l/min. Integral needle valve bypasses up to 34 l/min on open-centre systems. Standard Viton® Carbon/Ceramic seal. Chemical Resistant Valox® Impeller. Stainless Steel shaft and wear ring. Hypro equivalent = 9303-HM2C & HM4C.	1,273.38	1,400.72	X
200PHY	Banjo 2" Polypropylene Hydraulic-drive centrifugal pump. Min hydraulic flow required = 23 l/min (max 38 l/min) suits open or closed systems. 580 l/min liquid flow at 3450rpm at 1 bar pressure	2,307.87	2,538.66	X