

Agricultural Spray Accessories**2011 Catalog**

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Revised 4/2011

Hypro Roller Pumps



Ideal for Farm Sprayers, Pest Control and Chemical Application Usage.



- Housings available in Cast Iron, Ni-Resist or Silver Series
- Self priming operation; Roller pumps should not be run dry
- Adaptable to PTO's or Gas Engines
- Standard seals are Viton or Buna
- Standard super rollers provide the chemical resistance of Nylon and long life of Polypropylene
- Rotation is determined by looking at shaft end of pump
- Counter clockwise is standard on all except 4001 and 4101 Series
- Maximum fluid temperature is 140°

Part No.	Old No.	Model No.	Housing	Rotation	Shaft dia	No. of Rollers	Seals
8.702-278.0	100814	4001C	CI	CW	5/8"	4	V
8.702-281.0	100817	4101C	CI	CW	5/8"	4	V
8.702-259.0	100778	4101N	N	CW	5/8"	4	V
8.702-280.0	100815	4101XL	SL	CW	5/8"	4	V
8.702-261.0	100784	6500C	CI	CCW	5/8"	6	V
8.702-263.0	100784R	6500C-R	CI	CW	5/8"	6	V
8.702-262.0	100784N	6500N	N	CCW	5/8"	6	V
8.702-264.0	100784X	6500XL-R	SL	CW	5/8"	6	V
8.702-282.0	100819	7560C	CI	CCW	15/16"	8	V
8.702-283.0	100819R	7560C-R	CI	CW	15/16"	8	V
8.702-286.0	100823R	7560N-R	N	CW	15/16"	8	V
8.700-082.0	069665	Shaft Adapter (5/8" to 3/4")					

NOTE CI = Cast Iron, N = Ni-Resist, SL = Silver Last

Performance Tables

Series 4001

- Max psi 150
- Max GPM 9
- Max RPM 1800

Pressure in PSI	GPM @1100 RPM	HP	GPM @1400 RPM	HP	GPM @1800 RPM	HP
50	4.4	.24	5.9	.32	8.0	0.46
100	3.8	.41	5.3	.56	7.3	0.78
125	3.5	.50	5.0	.68	7.0	0.95
150	3.3	.62	4.8	.78	6.7	1.10

Series 4101

- Max psi 150
- Max GPM 7
- Max RPM 2600

Pressure in PSI	GPM @1100 RPM	HP	GPM @1400 RPM	HP	GPM @1800 RPM	HP
50	4.5	.34	5.60	.40	6.6	0.46
100	3.9	.56	5.00	.68	6.0	0.76
125	3.7	.68	0.82	.82	5.7	0.92
150	3.4	.78	4.40	.96	5.4	1.08

Series 6500

- Max psi 300
- Max GPM 18.2
- Max RPM 1000

Pressure in PSI	GPM @1100 RPM	HP	GPM @1400 RPM	HP	GPM @1800 RPM	HP
50	8.0	0.38	16.5	0.71	20.1	0.90
100	7.2	0.68	15.4	1.26	19.1	1.51
200	5.6	1.29	14.0	2.34	17.3	2.84
300	4.3	1.91	12.7	3.47	15.7	4.17

Series 7560

- Max psi 300
- Max GPM 22.5
- Max RPM 1000

Pressure in PSI	GPM @1100 RPM	HP	GPM @1400 RPM	HP	GPM @1800 RPM	HP
50	11.1	0.74	17.5	1.26	22.0	1.78
100	10.3	1.25	16.9	1.95	21.3	2.53
200	8.6	2.26	15.5	3.40	20.0	4.20
300	7.1	3.30	18.9	5.30	18.0	6.10

Twin Diaphragm Spot Spray Pump



Specifications:

- 1 GPM (open)
- 35 PSI (#8 tip)
- 3/8" hose barb inlet/outlet
- Self-priming to 2.5 feet
- Operating temperature 40° - 110°F
- Liquid temperature 110°F max
- 5 Amp fuse
- 1.3 lbs dry weight

Features:

- Compact automatic on-demand operation
- SEALED pressure switch automatically stops pump when discharge valve opens & closes
- Self-priming so pump can be located above supply tank
- Can run dry for extended periods without damage
- Built-in thermal protection on 12VDC motor
- Low Amp draw (2.5 @ 25 PSI, 4.0 @ 35 PSI)
- Chemical-resistant valves & diaphragm

Part No.	Old No.	Description	Open Flow	Max PSI	Power
8.702-326.0	100880	Spot Spray Pump	1.0	35	12 VDC

Flojet Diaphragm Pump

FLOJET



Built in pressure switch automatically starts and stops pump instantaneously.

- Can run dry without damage
- Excellent Self Priming Capability
- Low current draw

Part No.	Old No.	Flojet Model No.	Power	Max Flow	Max PSI	Ports	Diaphragm*	Valves*
8.702-325.0	100879	2135-561	12V DC	1.48	60	3/8" FPT	B	V
8.702-328.0	100884	4300-142A	12V DC	3.30	40	1/2" Barb	S	E
8.702-312.0	100863	2100-032	115V	1.85	50	3/8" FPT	S	S
8.702-337.0	100895	2100-022A	115V	1.85	50	3/8" FPT	V	V
8.702-331.0	100888	4300-042	115V	3.70	35	1/2" Barb	S	E
8.702-329.0	100884A	4300-043A	115V	4.70	35	1/2" Barb	S	E

* B = BUNA V = Viton E= EPDM S = Santoprene

NOTE: These units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these Units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

Diaphragm Pump Units

SHURflo
AN IRCON COMPANY

1.00 - 3.8 GPM integrated pump motor units. Powered by 12V DC or 115V AC power. Pumps are standard with Santoprene® diaphragms and Viton valves for excellent service with a wide variety of sprayable products.

NOTE: Flow is reduced as pressure is increased (i.e. 100850 pumps 1.12 GPM @ 60 psi) Automatic demand control on/off.

- Chemical resistant materials
- Self priming
- Automatic demand pressure switch or internal bypass
- Can run dry without damage
- Low Amp draw



Part No.	Old No.	Surflo Model No.	Power	Max Flow	Max PSI	Ports	Diaphragm*	Valves*
8.702-294.0	100841	8000-541-236	Demand 12V DC	1.0	60	3/8" FPT	S	V
8.702-304.0	100854	8000-343-236	Demand 12V DC	1.2	60	3/8" FPT	V	V
8.702-300.0	100850	8000-543-236	Demand 12V DC	1.4	60	3/8" FPT	S	V
8.702-296.0	100844	8000-543-238	Demand 12V DC	1.4	100	3/8" FPT	S	V
8.702-335.0	100893	8030-813-239	Demand 12V DC	1.5	150	3/8" FPT	S	V
8.702-302.0	100852	8002-793-238	Demand 12V DC	1.7	100	3/8" FPT	S	E
8.702-311.0	100862	8000-532-256	Demand 115V	1.0	60	3/8" FPT	S	V
8.702-307.0	100857	8000-033-236	Demand 115V	1.0	60	3/8" FPT	V	V
8.702-306.0	100856	8000-533-236	Demand 115V	1.4	60	3/8" FPT	S	V
8.702-334.0	100892	8000-812-288	Bypass 115V	1.4	100	3/8" FPT	S	V
8.702-308.0	100858	8000-813-238	Demand 115V	1.6	100	3/8" FPT	S	V
8.702-338.0	100896	8000-713-238	Demand 115V	1.6	100	3/8" FPT	S	E

2088 Premium Series - self primes up to 12 foot - Built in Back Check

8.702-305.0	100855	2088-343-135	Demand 12V DC	3.0	50	1/2"-14M	S	V
8.702-303.0	100853	2088-313-145	Demand 12V DC	3.6	50	1/2"-14M	S	V
8.702-301.0	100851	2088-712-244	Demand 12V DC	3.8	50	1/2"-14M	S	E
8.702-310.0	100861	2088-394-154	Demand 115V	3.2	40	1/2"-14M	S	V

4111 - Double Head

8.702-339.0	100899	4111-035	Demand 12V	7.0	50	1/2"-14M	S	V
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166 - Air Drive

8.702-317.0	100870	166-200-56	Demand AIR	2.0	60	3/8" Barb	E	E
8.702-318.0	100871	166-200-36	Demand AIR	2.0	60	3/8" Barb	V	V

*S = Santoprene V = Viton E= EPDM

NOTE: These units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these Units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

Industrial Chemical Sprayer

Excellent pre-prep chemical applicator. Trigger control, demand flow, wall mount cabinet, enclosed pump unit pulls chemical from a bulk tank and delivers it through 100' lightweight hose for low pressure stream/cone or mist application. Operator simply squeezes trigger for instant application.



- Diaphragm pump units
- 60 psi pressure
- Choice of 12V DC or 110V DC
- 100 foot hose
- Adjustable nozzle for cone mist to straight stream
- Durable Santoprene & Viton wetted parts

Part No.	Old No.	Description	Motor	PSI	GPM
Wall Mount / Cabinet Sprayer					
8.906-090.0	810020	Chem Applicator	115V AC	60	1.15
8.906-089.0	810010	Chem Applicator	12V DC	60	1.02

NOTE: These Units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these Units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

910 Spot Spray Gun Assembly

High pressure trigger gun adapted to spot spray application.



- Durable & comfortable
- 12" plated steel lance
- 1/4" hose barb inlet
- #2 blue adjustable nozzle

Part No.	Old No.	Description
8.904-088.0	352940	910 Spot Spray Gun Assembly

Trigger Control Spray Lances

Excellent for low pressure chemical applications up to 150 psi. Available in either plastic or brass lance tube. Works well with neutral, alkaline or mild acid solutions.



- Steel trigger & service wrench
- Plastic valve body
- Brass needle plunger
- Filter screen in nozzle housing
- Standard 11/16" outlet thread for standard low pressure nozzle
- Cone nozzle adjusts 0 - 80°
- Accepts the adjustable cone nozzles or standard tip-jet nozzles (11/16 nozzle thread)
- 3/8" FPT inlet models allow unlimited flexibility in choice of hose barb sizes
- 24" lance – brass or plastic
- **Best Buy**

Part No.	Old No.	Description
Trigger Lance		
8.902-777.0	266606	Brass w/o nozzle
8.902-778.0	266607	Plastic w/o nozzle
8.708-977.0	266603	Plastic w/blue nozzle
8.708-978.0	266610	Brass w/blue nozzle (below)
8.700-493.0	076700	Needle Valve and Seal Kit

Part No.	Old No.	Description	80° Straight	Cone
Adjustable Nozzle – GPM @ 40 psi / Adjust 0 - 80°				
8.708-979.0	266611	#1 Yellow	.316	.156
8.708-980.0	266612	#2 Red	.545	.204
8.708-981.0	266613	#3 Blue	.720	.250

Trigger Valves

Versatile hand-held trigger valves for chemical or water flow control.



- 1/2" FPT inlet/outlet
- Lock-on trigger loop
- 18.5 GPM
- 700 PSI

Part No.	Old No.	Description
Aluminum Body – SS/ BR Valve		
8.708-982.0	266652	Trigger Valve - Viton
Plastic body – SS/ BR Valve		
8.708-983.0	266658	Trigger Valve - Viton
8.708-984.0	266659	Trigger Valve - Buna

Spraymax Trigger Gun

For Your Pest Control Customers.



- 1000 PSI
- 200° temperature
- Compare To JD-9, Mag-1, Robco, & Ges
- Adjusts from fine mist to straight stream
- Drip-free shutoff
- Crafted for all-day comfortable use
- Larger trigger for 4-fingered grip

Part No.	Old No.	Description
8.708-995.0	266693	With 1/2" Inlet
8.902-783.0	266693X	With 3/4" Garden Hose Inlet
8.709-028.0	268047	Repair kit

Trigger Jet Spray Lances

Low pressure chemical application lance will tolerate mild acid solutions.



- Diaphragm shut off valve
- Hand grip trigger control
- Plastic lance tube resistant to acids and agricultural chemicals
- 150 PSI
- Excellent for mild acids or alkali chemicals
- Polypropylene body EPDM seals STD
- 11/16" - nozzle connect outlet

Part No.	Old No.	Description
Trigger Lance		
8.709-182.0	302250V	24" 1/4" FPT inlet, Viton
8.709-183.0	302251	24" 1/4" HB inlet, EPDM
8.709-184.0	302252V	3/8" Hose Barb, Viton
Trigger Value Only		
8.709-185.0	302254V	3/8" HB Inlet/ 11/16" Outlet, Viton
8.709-186.0	302255V	1/4" HB Inlet/ 11/16" Outlet, Viton
8.709-187.0	302256V	1/4" FPT Inlet/ 11/16" Outlet, Viton
Parts & Accessories – Trigger Jet Lance		
8.709-188.0	302258	Adapter, 11/16" x 11/16" PP
8.709-189.0	302259	24" Lance Tube only
8.709-190.0	302260	24" Lance Tube w/ Seals & Fittings
Trigger Jet Nozzles* – Polypropylene adjust from 0° to 60° Cone		
8.709-192.0	302263	Yellow Core(x 3), .23 GPM/ 60 psi
8.709-193.0	302265	Green Core (x 5), .37 GPM/ 60 psi
8.709-194.0	302266	Red Core (x 6), .45 GPM/ 60 psi
8.709-195.0	302268	Gray Core (x 8), .57 GPM/ 60 psi
8.709-196.0	302272	Brown Core (x 12), .84 GPM/ 60 psi
8.709-197.0	302274	Orange Core (x 18), 1.2 GPM/ 60 psi

Turbine Series Guns

Forged brass housings — Stainless steel lances — Mist cone to straight stream adjustment — On/Off control — Lock-on trigger — 1/2" MPT inlet Viton seals — Up to 1200 psi at 140° Fahrenheit.



ORDER

- 1200 PSI
- 1/2" BSP male inlet
- Weighs only 4 lbs
- Standard 15 x 1 LRT (4.5mm)
- 62 ft reach, straight stream @ 850 PSI
- 31.5 ft reach, full cone @ 850 PSI

Part No.	Old No.	Description	Length
8.708-990.0	266680	Long Range Turbine	27-1/2"
8.708-989.0	266676	Turbine	26-1/2"

15 x 1 Long Range Tip - Stainless Steel

Best Used with **Long Range Turbine Gun**.



- 15 x 1 long range tip
- SS body
- 850 psi
- 24.4 GPM
- 77 ft max throw range

Old No.	Part No.	Orifice Dia (mm)	Old No.	Part No.	Orifice Dia (mm)
8.708-998.0	266706	3.5	8.709-001.0	266709	5.0
8.708-999.0	266707	4.0	8.709-002.0	266710	5.5
8.709-000.0	266708	4.5	8.709-003.0	266711	6.0
			8.709-004.0	266712	7.0

Low Flow Brass Pressure Regulator



- For sprayers pumping up to 5 GPM
- Durable & strong brass construction
- Stainless steel spring
- Positive Viton seal to prevent leakage
- Knurled locknut for easy adjustment
- 1/2" MPT inlet
- 1/2" FPT outlet
- 120°F temperature
- 10.3 oz weight

Part No.	Old No.	Description
8.712-553.0	462207	200 - 650 psi
8.712-554.0	462208	0 - 300 psi

Brass Pressure Regulator

Durable and Strong.



- For sprayers pumping up to 15 GPM
- Adjustable pressure ranges
- Stainless steel spring
- Tee-handle adjustment screw
- 3/4" MPT inlet
- Knurled locknut for ease of locking in adjustment
- 3/4" FPT outlet
- 120°F temperature
- 10.3 oz weight

Part No.	Old No.	Description
8.712-557.0	462217	0 - 300 psi
8.712-558.0	462218	300 - 700 psi

Heavy-Duty Swivels

Live swivels help prevent twisted and tangled hose.



266701



266700

- Brass body & SS bolt
- Viton seals
- 600 PSI
- 1/2" MPT inlet & 1/2" outlet

Part No.	Old No.	Description
8.708-996.0	266700	Swivel 1/2" M x F
8.708-997.0	266701	Swivel 1/2" M x 3/4" FGH

Nylon Pressure Regulator

Maximum Corrosion Resistance.



- Built to handle up to 15 GPM
- Stainless steel spring
- Positive Viton seal prevents leakage & provides the best chemical resistance
- Knurled locknut for ease of locking in adjustment
- Tee-handle adjustment screw
- Choice of 1/2" or 3/4" inlet/outlet
- Male inlet/ female outlet
- 120°F temperature
- 4 oz weight

Part No.	Old No.	Inlet	Outlet	Adjustable Pressure Range
8.712-555.0	462212	1/2"	3/4"	0 - 250 psi
8.712-552.0	462202	3/4"	3/4"	0 - 250 psi
8.712-556.0	462213	3/4"	3/4"	0 - 400 psi

Bulkhead Fittings



- Black polypropylene
- Double threaded w/EPDM gasket
- Opening same size as outside diameter

Part No.	Old No.	FPT	Hole Dia
8.705-336.0	141232	1/2"	1-5/8"
8.705-338.0	141234	3/4"	1-5/8"
8.705-144.0	140430	3/4"	1-3/4"
8.705-145.0	140432	1"	1-3/4"
8.705-339.0	141236	1"	2-1/2"
8.705-341.0	141238	1-1/4"	2-1/2"
8.705-342.0	141240	1-1/2"	2-1/2"
8.705-146.0	140434	1-1/2"	3"
8.705-147.0	140436	2"	3"
8.705-343.0	141242	2"	3-1/8"

Gaskets for Above

8.705-337.0	141233	Fits 1/2", 3/4"
8.705-340.0	141237	Fits 1", 1-1/4", 1-1/2"
8.705-344.0	141243	Fits 2"

Brass Bulkhead / Tank Fittings



- Use to drain or remove liquids from tanks, drums, etc.
- Heavy-duty brass
- Includes nut and aluminum grip washer

Part No.	Old No.	Overall Length	Mounting Hole Dia
8.705-139.0	140417	1/8" x 1.5"	5/8"
8.705-140.0	140419	1/4" x .94"	3/4"
8.705-141.0	140420	1/4" x 1.5"	3/4"
9.802-149.0	140421	3/8" x 1.3"	1"
9.802-150.0	140422	1/2" x 1.5"	1-1/8"

NOTE: Installation requires access to inside of tank.

Diaphragm Check Valves - Nylon

For drip free spraying.



- 125 PSI
- 2 GPM
- Nylon body, polypropylene end cap - EPDM - diaphragm
- 10 PSI opening pressure
- 1/4" MPT inlet, 11/16" - 16 male outlet nozzle thread
- Spring-backed diaphragm for positive action

Part No.	Old No.	Description
8.709-377.0	310851	Diaphragm Check Valves

Plastic Fittings

For Water and Chemical Supply Lines. Ideal for use with most alkaline-based detergents, most agricultural chemicals, ethanol, and most ammonium and sodium-based compounds

- 150 PSI
- 140°F max @ 90 PSI
- 90°F max @ 150 PSI

DO NOT USE ... Polypropylene for: Gasoline, Nitric Acid, Trichlorethylene, Toluene, Aromatic Hydrocarbons or Kerosene. Polypropylene "P" – Black/ Glass Reinforced

DO NOT USE ... Nylon for: Hydrochloric Acid, Chlorine, Fluorine, Nitric, Xylene or Phosphoric or Sulfuric Acids. Nylon 6/6 "N" White/Natural color

Part No. Poly	Old No. Poly	Part No. Nylon	Old No. Nylon	Barb x MPT
Hose Barbs – Barb x MPT				
8.705-262.0	141077P	8.705-277.0	141102N	1/4" x 1/4"
8.705-263.0	141078P	8.705-278.0	141103N	3/8" x 1/4"
8.705-264.0	141080P	8.705-280.0	141105N	1/4" x 3/8"
8.705-265.0	141081P	8.705-281.0	141106N	3/8" x 3/8"
8.705-268.0	141084P	8.705-282.0	141107N	1/2" x 3/8"
		8.705-284.0	141110N	3/8" x 1/2"
		8.705-285.0	141111N	1/2" x 1/2"
		8.705-288.0	141117N	1/2" x 3/4"
		8.705-283.0	141108N	5/8" x 3/8"
8.705-270.0	141086P	8.705-286.0	141112N	5/8" x 1/2"
		8.705-289.0	141118N	5/8" x 3/4"
		8.705-287.0	141113N	3/4" x 1/2"
		8.705-290.0	141119N	3/4" x 3/4"
		8.705-291.0	141120N	1" x 3/4"

90° Barb x MPT Elbows

8.705-293.0	141125P			1/4" x 1/4"
8.705-294.0	141126P			3/8" x 1/4"
8.705-295.0	141127P			1/2" x 1/4"
8.705-296.0	141130P			1/4" x 3/8"
8.705-298.0	141131P	8.705-297.0	141131N	3/8" x 3/8"
8.705-301.0	141136P	8.705-300.0	141136N	3/8" x 1/2"
8.705-299.0	141132P			1/2" x 3/8"
8.705-303.0	141137P	8.705-302.0	141137N	1/2" x 1/2"
8.705-304.0	141138P			5/8" x 1/2"
8.705-305.0	141139P			3/4" x 1/2"
8.705-307.0	141141P	8.705-306.0	141141N	1/2" x 3/4"
8.705-308.0	141142P			5/8" x 3/4"
8.705-310.0	141143P	8.705-309.0	141143N	3/4" x 3/4"

HEX Nipple – MPT x MPT

8.705-316.0	141184P			1/4" x 1/4"
8.705-317.0	141185P			3/8" x 3/8"
8.705-319.0	141186P	8.705-318.0	141186N	1/2" x 1/2"
8.705-321.0	141187P	8.705-320.0	141187N	3/4" x 3/4"
		8.705-324.0	141191N	1/2" x 1/4"
8.705-323.0	141190P	8.705-322.0	141190N	1/2" x 3/8"
8.705-326.0	141193P			3/4" x 1/2"

Elbows – Barb x Barb

8.705-335.0	141216P			3/8" x 3/8"
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Tees Barb x Barb x Barb

		8.705-327.0	141202N	1/4" BxBxB
		8.705-328.0	141205N	3/8" BxBxB
8.705-329.0	141207P			1/2" BxBxB
8.705-332.0	141215P			3/4" BxBxB
		8.705-334.0	141216N	3/4" BxBxB

"Push-On" Hose Barbs – (Normally does not require clamps)

		8.705-346.0	141305N	1/4" Bx1/4" FPT
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