

# RP RABINE EQUIPMENT (586) 949-3320

## Unloaders Made Ready (UMR) Kits

Take the guess work out of replacing a worn unloader. The only questions you need to answer are the GPM and PSI of your machine, plus the Inlet and Outlet ports of the pump. Order an Unloader Made Ready kit, remove your old unloader and install the new one.



### Unloaders Made Ready Kits:

- Unloader
- Inlet filter
- Quick connect discharge
- Bypass Hose
- Thermal relief valve
- Push on hose barbs
- Roll of teflon tape
- Installation instruction sheet
- All required fittings for change

### Components not connected

Part	Unloader	GPM	PSI	Inlet	Outlet
4900	MV540	8.0	2500 PSI	3/8FPT	1/4FPT
5553	AL605	7.8	2900 PSI	3/8FPT	1/4FPT
4254	MV540	8.0	2500 PSI	1/2FPT	3/8FPT
5402	AL605	7.8	2900 PSI	1/2FPT	3/8FPT
4927	MV560	8.0	3200 PSI	1/2FPT	3/8FPT
5233	AL606EZ	7.8	3650 PSI	1/2FPT	3/8FPT
6174	AL607EZ	7.8	4000 PSI	1/2FPT	3/8FPT



## Pressure Unloaders

- 7.8 GPM maximum
- 194°F. maximum
- Dual 3/8" FPT inlet
- 3/8" FPT outlet
- 1/4" FPT gauge port
- Dual 3/8" FPT bypass

Part	Model	Spring	PSI
3505	AL605Y	Yellow	1500
3506	AL605	Red	2900
1775	AL606	Blue	3650
4635	AL607	Black	4000
6034	Repair	Kit	

### Built-in Easy start valve unloaders

Part	Model	Spring	PSI
6786	AL606EZ	Blue	3650
4511	AL606XEZ	Silver	3650
6787	AL607EZ	Black	4000
4518	AL907XEZ	Gray	4350
6817	AL609EZ	Purple	5000
2846	Repair kit	606EZ	607EZ
6371	Repair kit	609EZ	

### Built-in pressure switch unloaders

Part	Model	Spring	PSI
5882	AL686	Blue	3650
6818	AL687	Black	4000
5858	Pressure	Switch	
3086	Micro	Switch	



Meccanica Veneta

## Pressure Unloaders

- 8 GPM maximum
- 250°F. maximum

### MV520

- 2000 PSI maximum
- 3/8 MPT inlet 3/8 MPT outlet
- 3/8 FPT bypass

Part

4289



### MV540

- 2500 PSI maximum
- 3/8 MPT inlet 3/8 MPT outlet
- 3/8 FPT bypass

Part

1650



### MV550

- 3600 PSI maximum
- Dual 3/8 FPT inlet
- 3/8 FPT outlet
- Dual 1/4 FPT bypass

Part	Product
3145	MV550
3269	Repair Kit



### MV560

- 3200 PSI maximum
- 3/8 MPT inlet 3/8 MPT outlet
- 3/8 FPT bypass

Part

6147



### MV580

- 3600 PSI maximum
- 3/8 FPT inlet 3/8 FPT outlet
- 1/4 FPT bypass

Part	Product
6172	MV580
3269	Repair Kit



### MV590 & MV595

Built-in EZ start valve, thermal & pressure relief valves and injector

- 3/8 FPT outlet
- 1/4 FPT bypass

Part	Product	Inlet	PSI
6185	MV590	3/8 MPT	3600
6187	MV595	3/8 FPT	4000
3269	Repair Kit		



# RP RABINE EQUIPMENT (586) 949-3320



## VB7K Pressure Unloader

- 8.0 GPM maximum
- 190°F. maximum
- 3/8" MPT inlet
- 3/8" FPT outlet
- 3/8" FPT bottom bypass

Part	PSI
3594	3200



## VB280/Pulsar Unloader

- 7.8 GPM maximum
- 194°F. maximum
- 3/8" FPT inlet & outlet
- 3/8" FPT bypass

EZ model must be installed vertically

Part	Model	PSI
5814	VB280/Pulsar3KHP Dual Bypass	4000
5813	VB280/Pulsar EZ	4000
5439	VB280 w/switch	4000
4237	Repair kit	



## VR35 Pressure

- 9 GPM maximum
- 195°F. maximum
- 3/8" MPT outlet
- 3/8" FPT bypass
- 3/8" FPT inlet

Part	Model	PSI
6051	VR35	5100



## VB350S/YU5075KS

- 10 GPM maximum
- 190°F. maximum
- 5100 PSI maximum
- 3/8" MPT inlet
- 3/8" FPT outlet
- 1/2" FPT bypass

Part
4906



## 2SF Unloaders

- 6 GPM maximum
- 160° F. maximum
- 3/8" MPT inlet
- 3/8" MPT outlet

Part	Model	PSI
2799	7500 for 2SF	2000
5986	7500XS 2SEFX	2000
4482	Kit for 7500	



## VB3K Pressure

New in 2009

- 6.5 GPM maximum
- 195°F. maximum
- 3/8" FPT bypass

GP TT series 51 pumps

Part	Model	Inlet	Outlet	PSI
4107	YVB3KA	3/8" FPT	3/8" FPT	3200
6017	YVB3KTT	1/4" MPT	3/8" MPT	3650



## 4SF Unloader

- 6 GPM maximum
- 160° F. maximum
- 3/8" MPT inlet
- 3/8" MPT outlet
- 3/8" FPT bypass

Part	Model	PSI
2800	7600S for 4SF	3000
4483	Kit for 7600S	



## 6DX, 66DX Unloader

New in 2009

- 6 GPM maximum
- 160° F. maximum
- 3/8" MPT inlet
- 3/8" MPT outlet
- 3/8" FPT bypass
- Built-in injector

Part	Model	PSI
1936	7800/7860	3000



## HM Regulating Unloader

- Built-in easy start valve
- 10.8 GPM maximum
- 165°F. maximum
- 3/8" FPT inlet 3/8" MPT outlet
- Dual 3/8" FPT bypass ports

Part	Item	PSI
2169	HM Unloader	3000
4080	Kit 72 Repair	



**GIANT**

## 22760A

- 8 GPM maximum
- 160°F. maximum
- Dual 3/8" FPT inlets
- 3/8" FPT outlet
- Dual 1/4" FPT by

Part	Model	PSI
2168	22760A	3000
3503	Repair kit	



## 7690 Unloader

- 8.0 GPM
- 195° F. maximum
- 3/8" FPT inlet, outlet, & bypass

Part	Model	Spring	PSI
4148	7690	Blue	4050



## Pressure Regulator

- 2.5 to 7.8 GPM
- 160° F. maximum
- 3/8" FPT inlet, outlet, & bypass

Part	Model	Spring	PSI
2804	7082	Blue	3575



Unloaders

# RP RABINE EQUIPMENT (586) 949-3320

Unloaders



## ST-261 Unloaders

Regulating Unloader Valve  
Can be panel mounted  
Ideal for steam combination

- 3625 PSI maximum
- 8 GPM maximum
- 176° F. maximum
- 3/8" FPT inlet
- 3/8" FPT outlet
- 1/4" FPT bypass port



w/Injector

Tamper proof



w/switch



IDEAL FOR RENTAL MACHINES  
Preset unloader and put on cover so it can't be readjusted.

Part	Model
1396	ST-261
6824	ST-261 Tamper proof
1452	ST-261 with 1.8mm inj.
1453	ST-261 with 2.1mm inj.
1397	ST-261 with 2.4mm inj.
2379	ST-261 with micro switch
3847	Complete switch assembly
4655	Valve Repair 200261526
5661	Repair kit "A" 200261528
5660	Repair kit "F" 200060720
5374	Panel mount nut

Repair kit "A" contains: 05000050 o-ring; 040000440 valve part; 060000310 spring; and 020000190 valve housing.

Repair kit "F" contains: 060000120 spring; 060000110 stainless steel ball; 050000070 o-ring; & 010000200 hose barb.

## ST-280 Pressure

- 4060 PSI maximum
- 8 GPM maximum
- 176°F. maximum
- 3/8" FPT inlet
- 3/8" FPT outlet
- 1/4" FPT bypass



Part	Model	PSI
3710	ST-280	3600
5662	Kit "C"	
5663	Kit "D"	

New in 2009

## ST-290 Pressure

- 5070 PSI maximum
- 8GPM maximum
- 176°F. maximum



- 3/8" FPT inlet
- 3/8" FPT outlet
- 1/2" FPT bypass



Part	Model
6647	ST-290
6648	ST-290 w/110v switch

## High Flow Unloaders



1630

### GIANT Heavy Duty

Suitable for multiple gun systems

- Pressure actuated
- 160°F. maximum



4464

Part	Model	Spring	GPM	PSI	In/Out Bypass
1630	22912A	Red	13.0	2400	1/2FPT
1631	22913A	Orange	13.0	3500	1/2FPT
4464	22971C	Yellow	35.7	1740	3/4FPT
3527	Standard	Repair		kit	
3740	Repair	kit "B"			



## YU2121/YU2140

- 21 GPM maximum
- 200°F. maximum
- Dual 1/2" FPT inlet
- 1/2" FPT outlet, bypass



Part	Model	Spring	PSI
6243	YUW2121	White	2175
6556	YUB2140	Blue	4060

## Dual Bypass



Part	Model	Spring	PSI
4006	YU2121	Yellow	2175
4008	YU2140	Green	4060
5843	Repair kit		

## New in 2009 303 Stainless Steel

Part	Model	Spring	PSI
4457	YU2158	Black	5800



## Multiple Gun

- 21 GPM maximum
- 180°F. maximum
- 1/2" FPT inlet, outlet, and bypass



Part	Model	Spring	PSI
2801	7534	White	2200
2802	7535	Blue	4000



## YU5221

- 53 GPM maximum
- 2200 PSI maximum
- 200°F. maximum
- 1" FPT inlet, outlet, bypass



New in 2009

Part	Product
4458	YU5221
4456	Repair Kit

# RP RABINE EQUIPMENT (586) 949-3320



## Bolt-on Unloaders

Replacements for AR bolt-ons  
XT & XM Series pumps

- 8 GPM maximum
- 165° F. maximum

Part	Model	PSI
6625	MV566	3200



## Bolt-on Unloaders

### AR21039 Minimatic 4/B

For XT & XM Pumps

- Built-in injector
- 2-3 GPM
- 2600 PSI maximum
- 165° F maximum
- 1/2 FPT inlet
- 3/8 MPT outlet

Part	Product
6090	AR21039
6611	Repair Kit



### AR21040 Minimatic 4/B

For XT & XM Pumps

- Built-in injector
- 2-4 GPM
- 2600 PSI maximum
- 165° F maximum
- 1/2 FPT inlet
- 3/8 MPT outlet

Part	Product
6091	AR21040
6611	Repair Kit



### AR20821 Minimatic 4/B

For XT & XM Pumps

- 2-5 GPM
- 2600 PSI maximum
- 165° F maximum
- 1/2 FPT inlet
- 3/8 MPT outlet

Part	Product
6445	AR 20821
6611	Repair Kit



### AR20242G Gymatic 3/B

For XM & RK up to 3650 PSI

- 3-5.5 GPM
- 3650 PSI maximum
- 165° F maximum
- GH & filter inlet
- 3/8 MPT outlet

Part	Product
5547	AR20242G
6214	Kit 2119 Bolt & Washer



### AR21669 Gymatic VR35 3/B

For AR pumps over 3650 PSI

- 5.0 GPM maximum
- 4000 PSI maximum
- 165° F maximum
- 1/2 MPT inlet
- 3/8 MPT outlet

Part	Product
6092	AR21669
5276	Kit 2121 Bolt & Washer



## Bolt On Unloaders

### W1

General Pump models: T9051, TT901, TT 931, TT9061, TT9071, TSI021, TT90651

- Built-in injector
- 2-3 GPM
- 1600 PSI max.
- 165° F maximum
- 3/8FPT inlet
- 3/8 MPT outlet

Part
3343



### W1.1L

General Pump models: T711, T911, T991, T9951, T9961

- Built-in injector
- 3-4 GPM
- 1600 PSI max.
- 165° F maximum
- 3/8FPT inlet
- 3/8 MPT outlet

Part
3940



### W2.1

General Pump models: TT9351, TT9441, TT9971, all E-Z Pumps

- Built-in injector
- 3-4.5 GPM
- 3000 PSI max
- 165° F maximum
- 3/8FPT in 3/8 MPT out

Part
3344



### W2.1-SC

NO injector

Part
2830



### W2.1L

General Pump models: TS1011, TS1331, TS1511, TS1711,

Built-in injector

Part
3937



### W2.1L-SC

NO injector

Part
3939



Part	Model
1743	Kit 93 Rebuild
3569	Kit 94 Repair kit

Unloaders

# RP RABINE EQUIPMENT (586) 949-3320

## VB75KDM Bolt-on

Designed to be used with General Pump EZ (44) series, 47 Series, and 63 series pumps.



- 195° F. maximum
- 8.0 GPM
- 3650 PSI maximum
- 1/2" FPT inlet
- 3/8" FPT outlet

Part	Model
6546	VB75KDM
6552	VB75 w/injector
1332	Bayonet bolt kit



## K1 Flow Sensitive

Compact design and can be rebuilt from the top without disturbing surrounding plumbing. Soft start unloader offering gradual pressure increases, assuring safety for the operator and pump.



- 2 to 10 GPM
- 3600 PSI
- 165°F. max
- 3/8" FPT Inlet
- 3/8" MPT Outlet
- 1/2" MPT Bypass
- 1/4" MPT gauge ports

Part
6703



## VB135KDM Bolt-on

Adjustable, trapped pressure type unloader with built-in bypass.



- 6.5 GPM maximum
- 2600 PSI maximum
- 195°F. maximum
- 3/8" FPT inlet
- 1/4" MPT outlet

Part	Model
3340	VB135KDM
1566	Bayonet bolt kit



## VB10 Reduced Pressure

**BEST OF BOTH WORLDS.** VB-10 drops pressure at the gun to around 400 PSI in bypass mode, reduces chance of injury if trigger is accidentally pulled when not in operation.



- MUST be mounted vertically**
- 8 GPM maximum
- 3600 PSI maximum
- 195°F. maximum
- 3/8" FPT inlet, outlet & bypass

Part	Model	PSI
4213	VB-10	3600
4517	Repair kit	

## K Series Flow Actuated

- 165° F. maximum
- 3/8" FPT inlet
- 3/8" MPT outlet
- 1/2" MPT outlet on "E" series
- 3/4" MPT bypass

### K3 Series

0-1450 PSI

Part	Product	GPM
1593	K3.0	2.1-3.0
2347	K3.0E	2.1-3.0
1594	K3.1	3.0-4.2
1595	K3.2	4.2-5.5
3146	Kit 59 repair	



### K5 Series

0 -3000 PSI

Part	Product	GPM
1597	K5.0	2.1-3.0
1598	K5.1	3.0-4.2
1494	K5.1E	3.0-4.2
1599	K5.2	4.2-6.6
1725	K5.2E	4.2-6.6
1751	K5.3	6.6-10
3132	Kit 58 repair	
2404	Bypass plate	



### K7 Series

- 0-3500 PSI
- 3/8" FPT bypass

Part	Model	GPM
1220	K7.0	2.1-3.0
1393	K7.1	3.0-4.2
1394	K7.2	4.2-6.6
2301	K7.2 w#1 orifice	
1395	K7.3	6.6-10
1694	Kit 70 Repair	



## GIANT Flow Actuated

- 160° F. maximum
- 3/8" FPT in, 3/8" MPT out
- 1/2 or 3/4 bypass



Part	Model	PSI	GPM
1481	22648	3000	1.5-4.0
5739	22650	3000	3.0-4.5
1482	22655	3000	3.0-5.5
1588	22654A	4000	3.5-4.8
3577	22666 kit		
3576	22695A	kit	22654