

# Flow and Pressure



**Multi-gun valves** let you feed two lances at once from a single high-pressure pump unit. **Unloader valves** (with a system valve) divert pressure back to the tank in automated applications. **Pressure**

**reducing stations** allow accurate pressure and flow adjustments when the pump is not located near the work being done.

## MULTI-GUN VALVES

With NLB multi-gun valves, several lances can be operated from a single pump unit at the same time. These valves can be used with any dump-style lance, and the nozzles can be different sizes. You can even add a manifold to run several multi-gun valves at once. Choose from 10,000 psi, 15,000 psi and 20,000 psi units

(700, 1,035 and 1,400 bar). Key features include:

- Each operator independently controls the loading and dumping of his lance
- Switch from "pressure" mode to "dump" mode in a split-second, minimizing system pressure fluctuations
- Simple design allows fast set-up in the field
- Assembly includes mounting plate (for permanent installation), guard, pressure gauge, and quick-couplings for inlet/outlet connections
- Rugged, long-life design

### MGV15-3000



### MGV20-1000



### DO-805Y



### DO20-805Y



Model No.	Description	Pressure	Flow	Inlet/Outlet	Rebuild Kit
MGV15-3000	Multi-Gun Valve	4,000 to 15,000 psi (275 to 1,035 bar)	up to 30 gpm per side (up to 113 lpm per side)	1/2" NPT Male, 1/2" NPT Male	BM23073
MGV20-1000	Multi-Gun Valve	12,000 to 20,000 psi (840 to 1,400 bar)	2.8 to 11.5 gpm per side (11 to 45 lpm per side)	9/16" MP port, 1"-12 UN Male	MGV20RBKT
DO-805Y	45° Manifold	10,000 psi max. (700 bar max.)	32 gpm (120 lpm)	1/2" NPT Male, 1/2" NPT Male	N/A
DO20-805Y	45° Manifold	20,000 psi max. (1,400 bar max.)	23 gpm (90 lpm)	1"-12 UN Male, 1"-12 UN Male	N/A
CM13027	3-way Adapter	40,000 psi max. (2,800 bar max.)	10 gpm (37.9 lpm)	1-1/8" -12 HP Male,	N/A

## Unloader Valves

Since shut-off-style lances and foot controls have no built-in means of dumping pressure, the safest way to use them is with an unloader valve. These are activated when an operator releases the trigger of the lance. In automated applications, unloader valves can also be used to divert water back to the tank when flow is no longer required at the nozzle. This also requires a system valve.

NLB offers 25 gpm and 50 gpm models, both constructed of stainless steel for long life. Repair kits are available.



**UL-452**

Model No.	Max. Pressure	Max. Flow	Inlet Connection	Outlet Connection
<b>UL-452</b>	10,000 psi (700 bar)	25 gpm (95 lpm)	1/2" NPT	1/2" NPT
<b>UL-904</b>	10,000 psi (700 bar)	50 gpm (190 lpm)	1" NPT	1" NPT

## Pressure Reducing Stations

When you want to use water jets at a location some distance from your high-pressure pump unit — either in a plant or in the field — the simplest solution is a pressure reducing station. We have 10,000 and 20,000 psi units (700 and 1,400 bar), either plate-mounted or mobile. All feature stainless-steel construction and include a rugged NLB by-pass valve, oil-filled pressure gauge and snubber.



**PRS-270  
PRS-270-20K**



**PRS-270HC  
PRS-270HC-20K**

Model No.	Max. Pressure	Max. Flow	Inlet Connection	Outlet Connection	Weight
<b>PRS-270</b>	10,000 psi (700 bar)	40 gpm (151 lpm)	1/2" NPT	1/2" MP port	50 lbs. (23 kg)
<b>PRS-270-20K</b>	20,000 psi (1,400 bar)	26 gpm (100 lpm)	3/4" NPT	3/4" MP port	53 lbs. (24 kg)