

SOUTH PORTLAND FIRE DEPARTMENT

STANDARD OPERATING GUIDELINES

SOG #:	6.221	Effective Date:	7/18/2005
Title:	Four Way Hydrant Assist Valves	# of pages:	2
Category:	Fire Ground Operations	Classification:	Yellow

1. **PURPOSE:** To inform fire department members of the locations of the four way hydrant valves as well as when and how they are intended to be used.

2. **PROCEDURES:**

- The four way hydrant valve will be carried on Engine 3
- When a line is laid by these units, the four way valve shall be connected to the hydrant unless directed otherwise. The four way hydrant valve is the only device that need be placed on the hydrant by these engines unless otherwise directed.
- Normal procedures for flushing the hydrant shall be performed prior to connecting the hydrant valve.
- The four way valve shall normally be carried with the valve control in the on or straight through position allowing immediate charging of the hose when the hydrant is opened. This is labeled "To Fire"
- Whenever possible a short length of LDH shall be used between the hydrant adaptor and the four way valve. This will allow the heavy valve to rest on the ground.
- Engines assigned to pump a hydrant equipped with a four way hydrant valve will connect with short lengths of 5" hose if available.
- When ordered to begin pumping the valve shall be turned counter-clockwise to charge the line to the engine intake. This position is labeled "From Engine Discharge".
- The engine discharge hose shall be charged and the engine pressure slowly increased to the appropriate discharge pressure for the hose layout and flow. An additional 5-10 psi shall be added to compensate for friction loss in the hydrant valve itself.
- An engine may be ordered to disconnect but still leave the supply line charged. In this case the engine pressure shall slowly be reduced to an idle and the four way hydrant valve control slowly turned clockwise to shut off the supply to the engine. This will leave the supply line charged and allow the engine to disconnect.
- The four way valve may be completely shut off by turning clockwise to the off position. This will require pulling back on the lock to move from the open to the fire position to off.
- The top of the unit is marked with arrows showing the flow route of the water.

3. **REFERENCES:**

- None

By Order Of:

Kevin W Guimond

Kevin W. Guimond
Fire Chief