



SERVICE BULLETIN

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Date: **May 22, 2012**

Subject: Suggested list of thermostatic mixing valves for Medivators Advantage Plus and DSD EDGE Endoscope Reprocessors.

We have received requests for more detail regarding the specific water requirements for the Advantage Plus and DSD EDGE, and recommendations concerning appropriate mixing valves.

The Advantage Plus and DSD EDGE require a water supply that is tempered to 35°C +/- 2° (95°F +/-4°F) with water at this temperature being available *on demand* for proper reprocessor operation.

Reprocessor	Water pressure	Flow Rate
Advantage Plus	Minimum if 35 PSI	Minimum of 1.32 GPM for each hot and cold supply lines
DSD EDGE	Minimum of 40 PSI	Minimum of 3.2 GPM for each hot and cold supply lines

To maintain this temperature, we recommend the installation of a thermostatic mixing valve. The valve has both hot and cold water plumbed into the unit, with an output of properly tempered water available on demand to the pre-filtration system of the reprocessor. We recommend one mixing valve be installed per machine and that the mixing valve be installed no further than 4 feet from the filtration system and accessible to the operator. A mixing valve installed at some distance away from the filtration system is likely to be ineffective at providing water at the correct temperature because of the length of plumbing through which the water must pass prior to reaching the filtration system.

Because each installation can be unique in terms of facility and plumbing code requirements, Medivators cannot recommend specific mixing valves for each installation. Experience with prior successful installations has demonstrated that the valves listed below can be expected to meet most water supply needs. This list cannot be viewed as an endorsement by Medivators as we do not manufacture, test, validate or certify thermostatic mixing valves. The customer assumes the responsibility to decide the proper fit for their individual installation needs. Due to variations in local codes, please consult your plumber before selecting a mixing valve.

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<u>Manufacturer</u>	<u>Valve Series</u>	<u>Specifications</u>
Honeywell	AM-1 1070 Series	70-120°F +/- 3°F (21-49° C +/-2°C) at 0.5- 10 GPM
WATTS	MMV Series	80-120°F +/- 3°F (27-49° C +/- 2°C) at 0.5-20 GPM
WATTS	L1170-M2	60-120°F +/-3°F(16-49° C +/- 2°C) at 0.5-20 GPM
Symmons	6-102-1	70-110°F at 0.5 – 5 GPM
	6-200-1	70-110°F at 0.5 – 5 GPM

NOTE: An emergency eye wash valve typically will not meet the water temperature specifications for the DSD EDGE or Advantage Plus Endoscope Reprocessors.

If you have any additional questions, please contact Medivators Technical Support at 1-800-444-4729 or 763-553-3300.

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