

## FW Murphy DVU Selection Guide

**Please answer the following questions about your application**

What is the diameter of your vessel? <i>Note: Vessel must be oriented vertically.</i>	20	inches
What is the desired length or duration of the dump cycle?	2	seconds
What is your vessel pressure?	2000	psig
What is the pressure at the outlet of your DVU?	0	psig

**Calculated Selection Criteria**

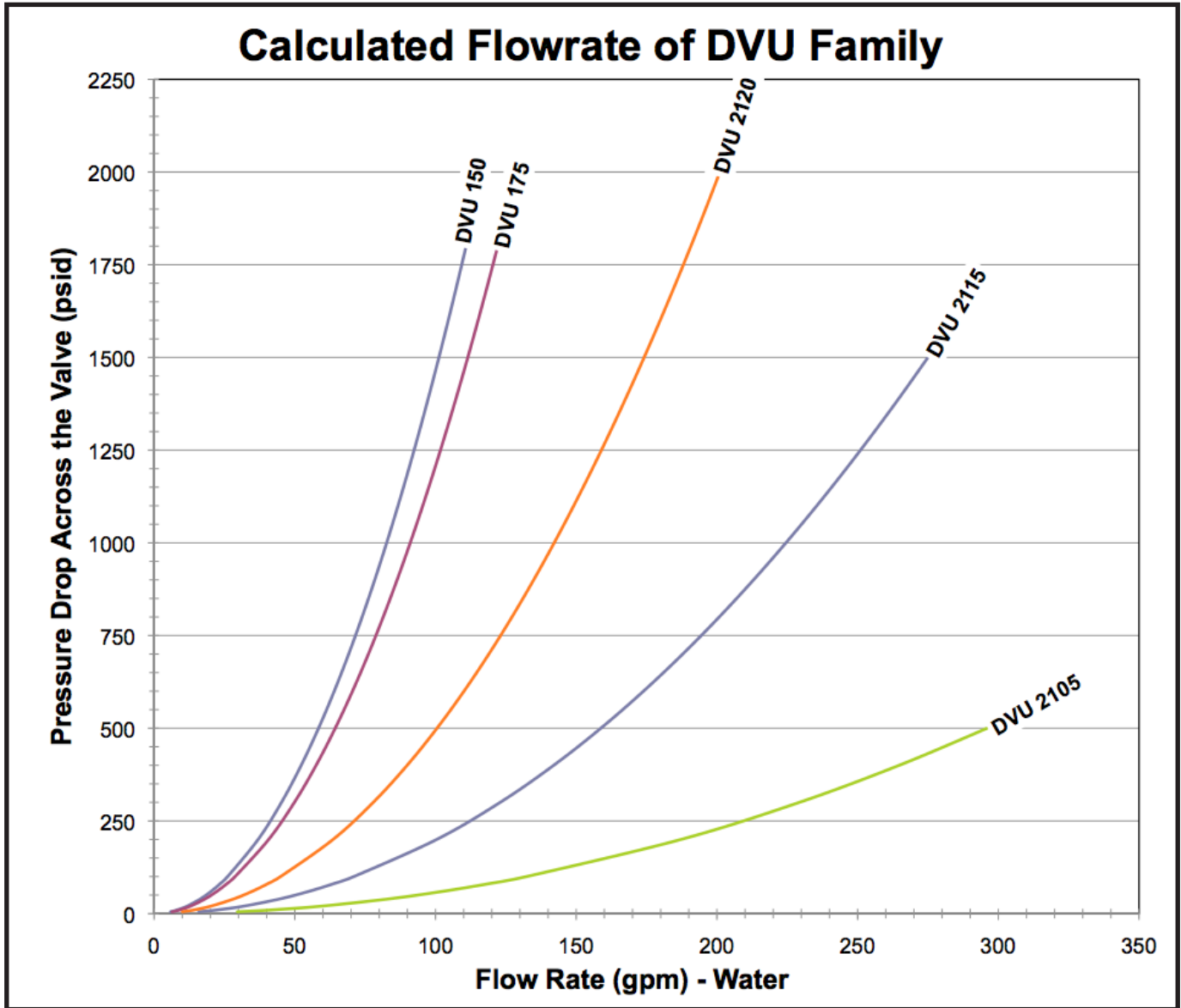
$C_v$ needed to achieve the desired flow rate	2.7 $C_v$
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**DVU selection for above application**

Model	Max Pressure (psig)	$C_v$	Estimated Dump Cycle Duration for this Application (sec)	
DVU150	4800	2.6	2.1	Dump valve is not rated for your vessel pressure. Dump valve flow rate will not achieve required flow.
DVU175	4800	2.9	1.9	Dump valve is not rated for your vessel pressure.
DVU2105	500	13.2	0.4	Dump valve is not rated for your vessel pressure.
DVU2115	4500	7.1	0.8	Dump valve is not rated for your vessel pressure.
DVU2120	2000	4.5	1.2	

**Note:** Values are based on the ability to deliver the desired flow and operate under the given vessel pressure. In the case where more than one device will meet the selection criteria, it is important to know that a larger  $C_v$  flows more and smaller  $C_v$  flows less.





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