

1036 Series Wafer Silent Check Valve K_V / C_V Flow Chart

PRESSURE LOSS

THE PRESSURE CAN BE CALCULATED USING THE K_V VALUE AND FLOW RATE

$$K_V = \frac{Q}{\sqrt{\Delta P}} \quad , \quad C_V = 1.167 K_V$$

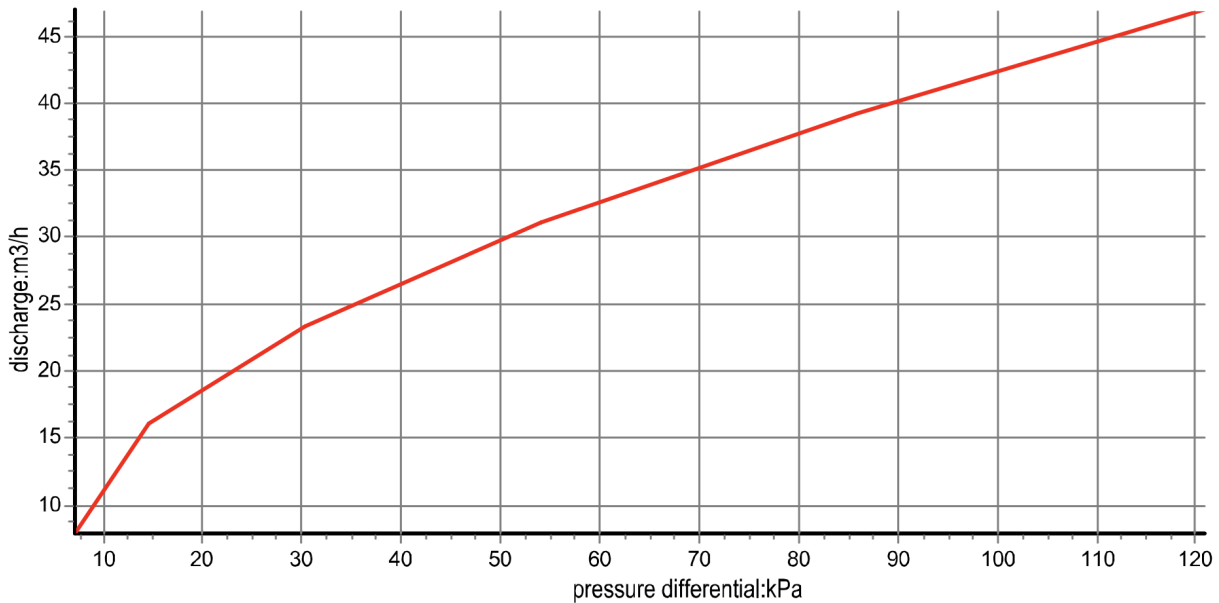
WHERE K_V = FLOW COEFFICIENT - M³/H @ 1BAR
 Q = FLOW RATE - M³/HR
 ΔP = HEADLOSS ATTRIBUTABLE TO VALVE - BAR
 C_V = FLOW COEFFICIENT - USGAL/MIN @ 1BF/IN²



K _V AND C _V VALUES – FORWARD FLOW								
SIZE	2"	2 1/2"	3"	4"	5"	6"	8"	10"
K _V	42.75	68.81	79.87	141.25	244.63	322.71	367.50	804.67
C _V	50.02	80.51	93.45	165.26	286.22	377.57	429.98	941.46

2" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW

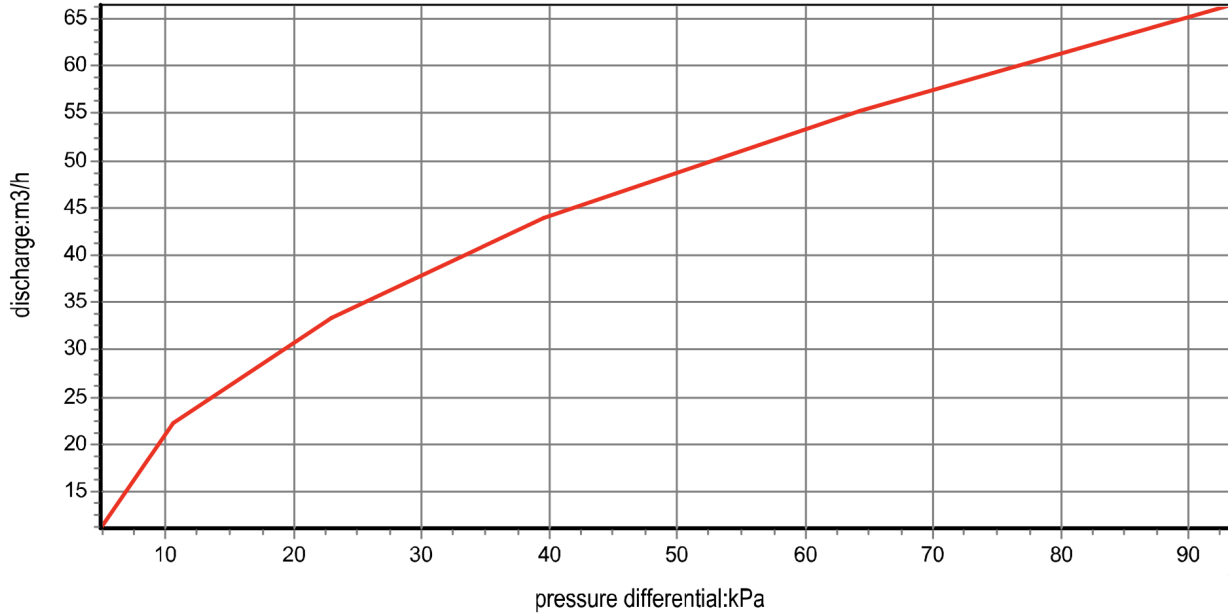


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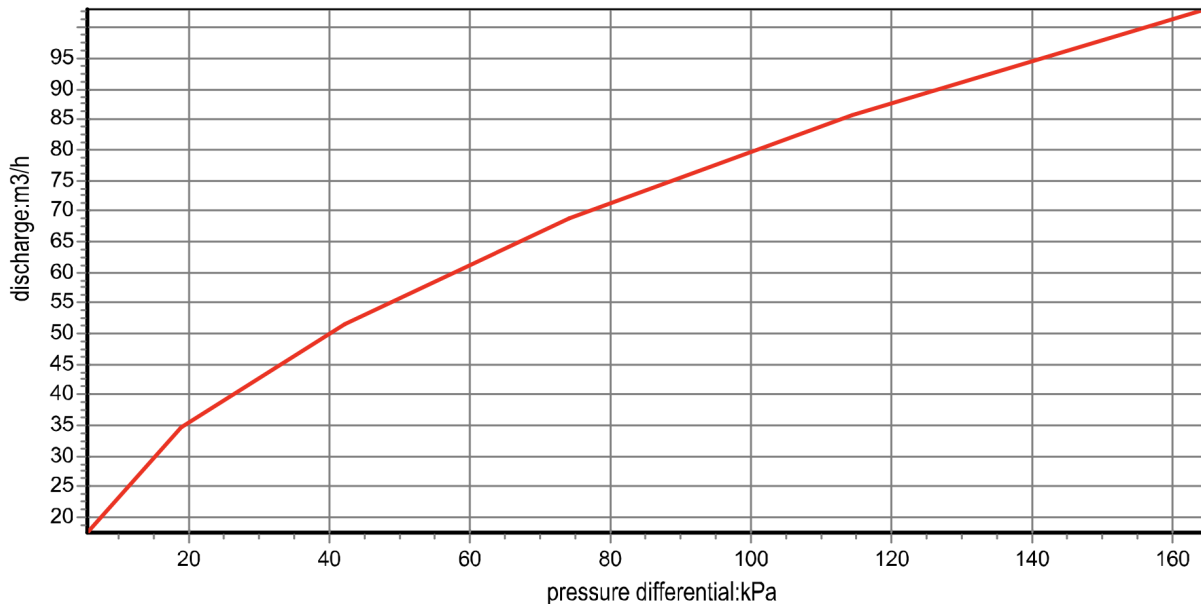
2 1/2" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW



3" WAFER SILENT CHECK VALVE

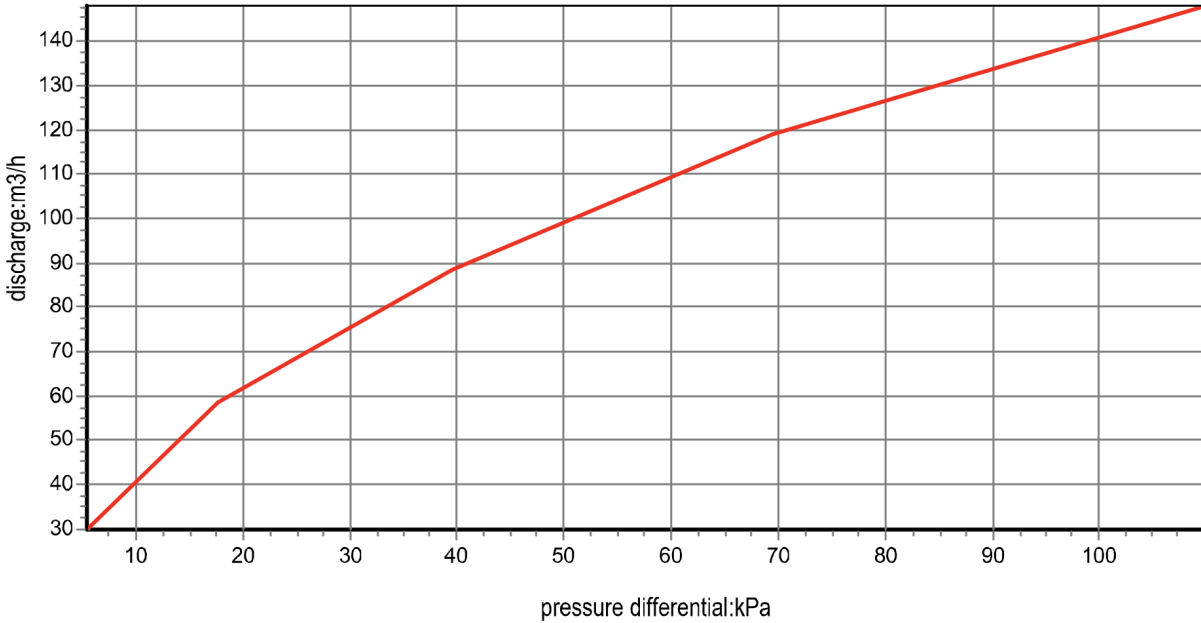
FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW



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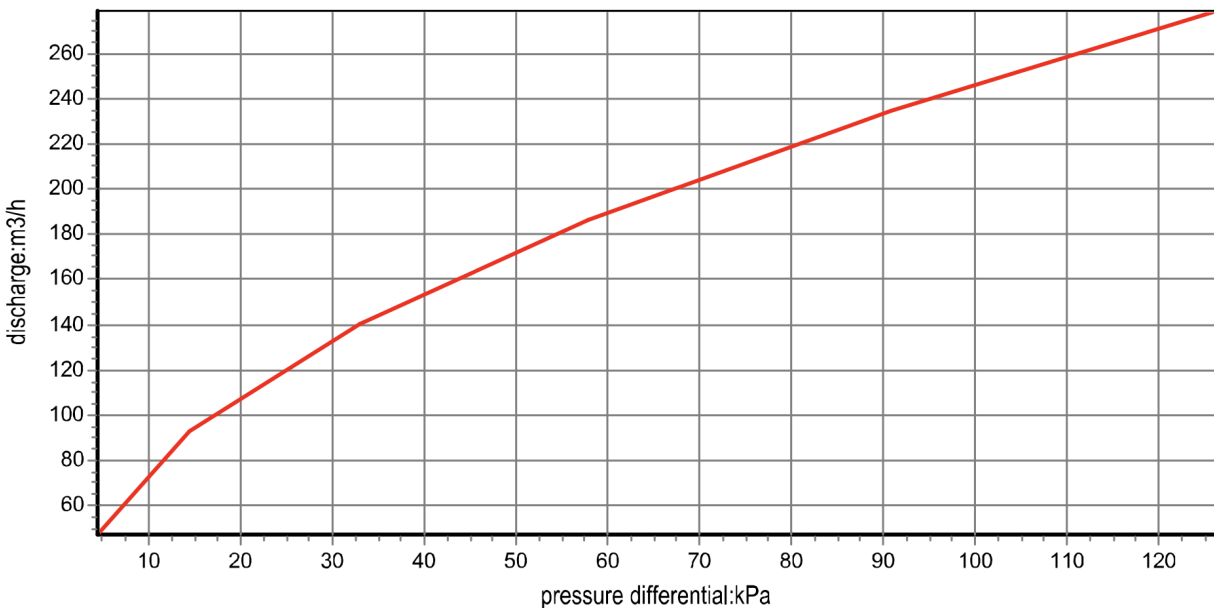
4" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW



5" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW

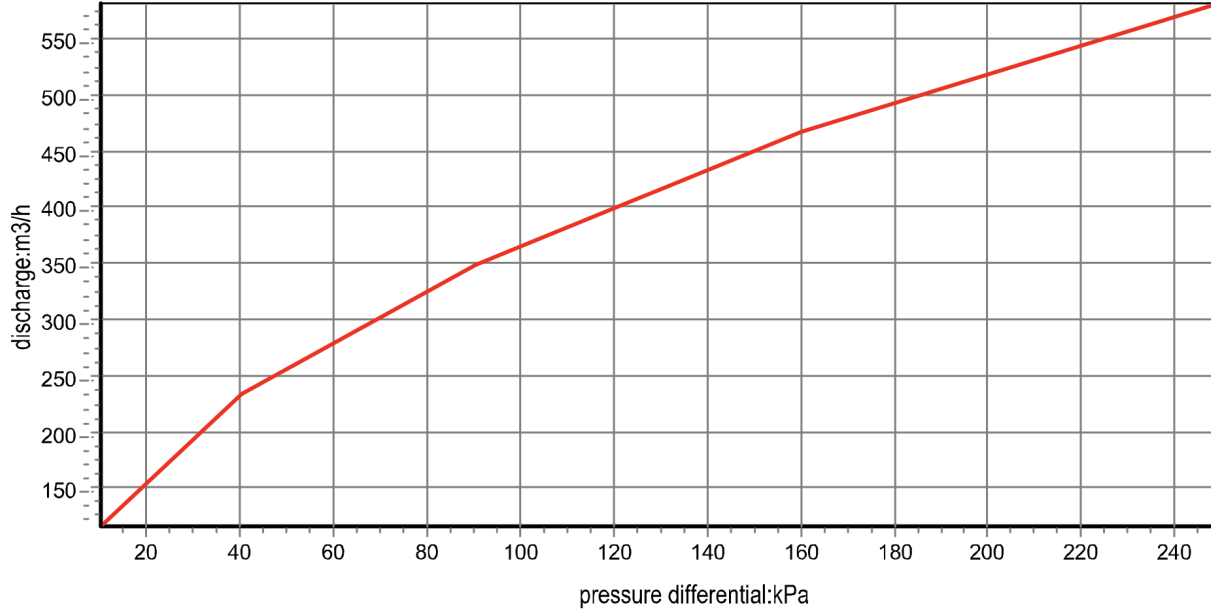


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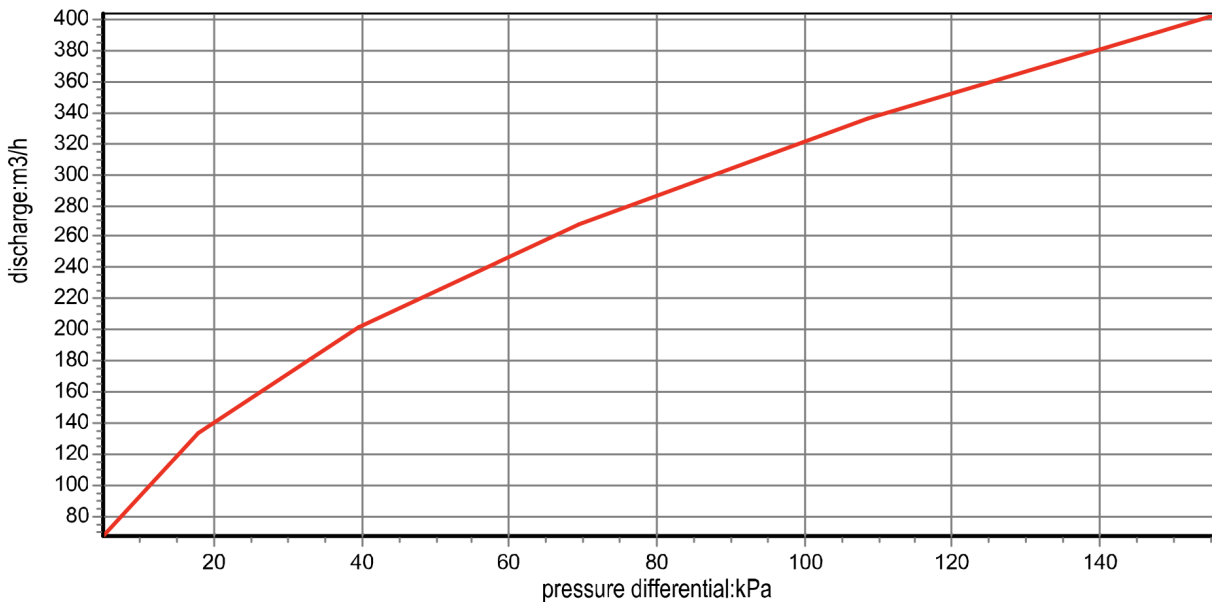
6" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW



8" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW



1036 Series Wafer Silent Check Valve K_V / C_V Flow Chart

10" WAFER SILENT CHECK VALVE

FLOW CHART OF HEADLOSS AGAINST FLOW RATE – FORWARD FLOW

