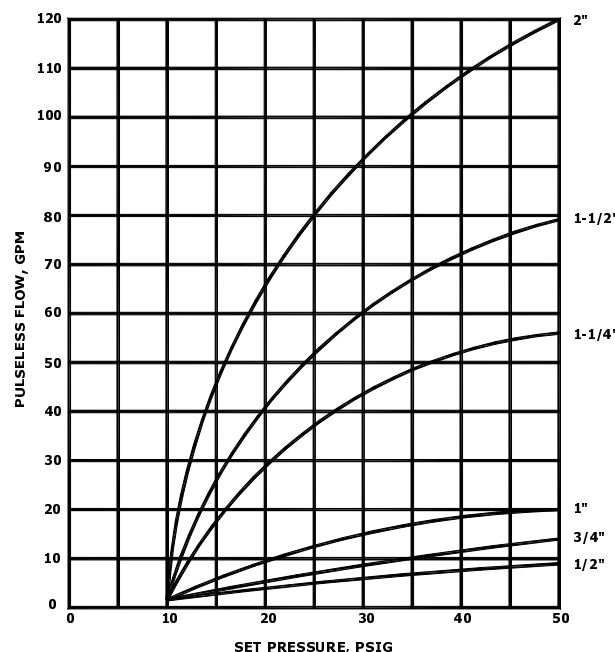
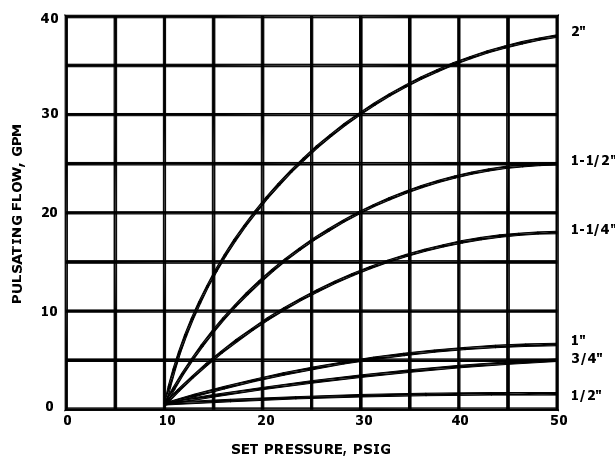
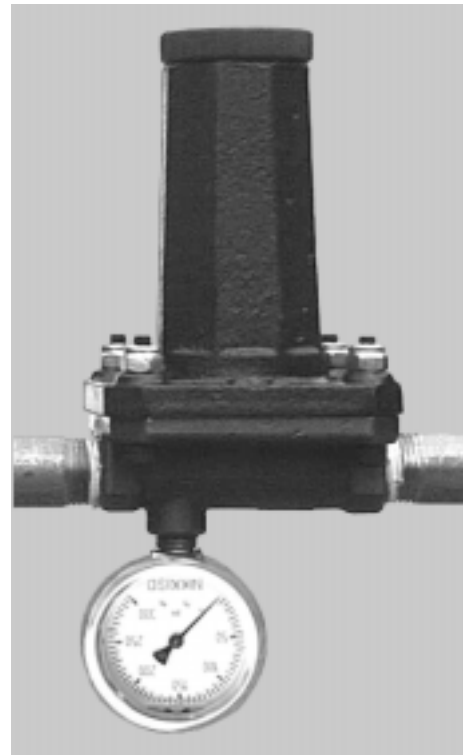


### Features:

- Broad range of valve body materials.
- Long life PTFE or FKM diaphragms.
- Chatter-proof design eliminates vibration and extends valve life.
- Field adjustable for changing process conditions.
- Field serviceable without special tools.



Discharge pressures that fall below inlet pressure can cause flow to siphon through the pump. NIKKISO's HydroGarD™ valves offer a simple solution to this problem. HydroGarD back pressure valves enhance the performance of pumps by providing a constant discharge or back pressure - particularly in artificial applications where suction pressures are greater than discharge pressure. These spring-loaded, diaphragm-type valves can also function as anti-siphon valve. They are designed for easy, low cost installation and on-line maintenance. And all are factory tested prior to shipment, with settings that can be easily adjusted in the field.

HydroGarD valves are built for reliable, dependable performance. A PTFE or FKM diaphragm protects internal components from contact with process fluids. Wetted parts are chosen for their corrosion-resistance in each application. There's also a special plugged port at the bottom of the valve body for easy bleeding, sampling or pressure gauge installation.

### NIKKISO HydroGarD™ Application Notes:

1. NIKKISO HydroGarD™ back pressure valves are field adjustable.
2. The minimum recommended set pressure for the NIKKISO HydroGarD™ back pressure valve is 25 psig.

### Selection Guide

#### Back Pressure Valves

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
<b>316SS</b>	14010-2300	14010-3300	14010-4300	14524-5300	14524-6300	14524-8300
<b>Alloy 20</b>	14010-2500	14010-3500	14010-4500	14524-5500	14524-6500	14524-8500
<b>Hastelloy® C</b>	14010-2600	14010-3600	14010-4600	14524-5600	14524-6600	14524-8600
<b>PVC</b>	14010-2700	14010-3700	14010-4700	14524-5700	14524-6700	14524-8700
<b>PVDF</b>	14010-2800	14010-3800	14010-4800	14524-5800	14524-6800	14524-8800

### Recommended Installation

Safety relief valve must discharge to atmospheric pressure. Use of a pulsation dampener in combination with a back pressure valve will result in longer valve life, by eliminating cycling with each pump stroke.

