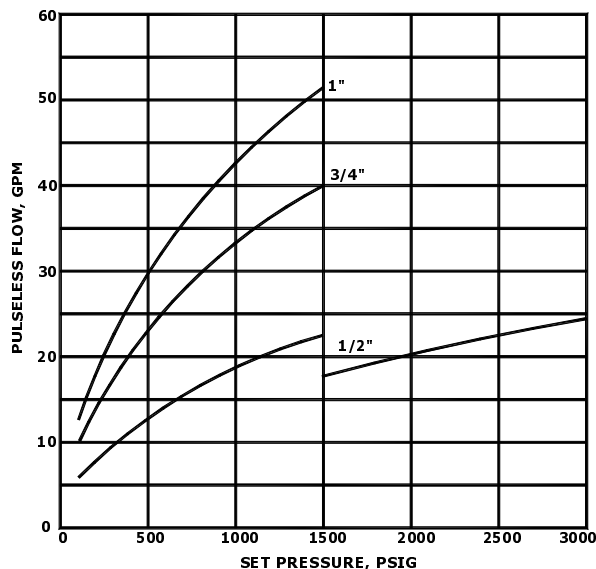
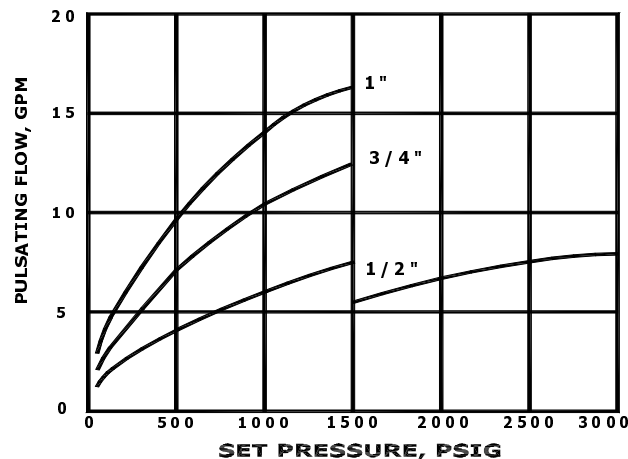


Features:

- Broad Range of Valve Body Materials.
- Long Life PTFE or FKM Diaphragms.
- Safety Relief Design Eliminates Valve Cycling and Extends Valve Life.
- Field Adjustable for Changing Process Conditions.
- Field Serviceable Without Special Tools.
- Sealless, Leak-proof Style Provides Environmental and Process Integrity.
- Integral Valve Port for Bleed, Sample or Gauge.



NIKKISO HydroGard™ Application Notes:

1. NIKKISO HydroGard™ safety relief valves are field adjustable.
2. The minimum recommended set pressure for the NIKKISO HydroGard™ safety relief valve is 50 psig.

Protecting processes from excessive pressure is not only prudent and ensures longer equipment life; but in many places it is becoming mandated for personnel and environmental protection. NIKKISO HydroGard™ valves exceed these requirements providing positive, fail-safe relief of system pressure from any source.

HydroGard Safety Relief Valves maintain process and environmental integrity with a sealless, leak-proof design. Their function is specifically configured to remain closed until the opening set pressure is surpassed. Then, they open fully, relieving process pressure to an atmospheric pressure destination and remain open until the pressure in the process line has been reduced to a minimal level. This eliminates the chattering and cycling common to other styles of relief valves.

All valves are built for reliable, dependable performance with a PTFE or FKM diaphragm to protect internal components from exposure to the process fluid. A special port at the bottom of the valve body provides for easy bleeding, sampling or pressure gauge installation.

		316SS	Alloy 20	Hastelloy® C	PVC	PVDF
1/2"	50-250 psig	HGS1A08ND1BC	HGS1A08NE1BC	HGS1A08NG1BC	HGS1A08NM1BC	HGS1A08NN1BC
	250-1,500 psig	HGS1B08ND1BE	HGS1B08NE1BE	HGS1B08NG1BE	---	---
	1,500-3,000 psig	HGS2C08ND1BF	HGS2C08NE1BF	HGS2C08NG1BF	---	---
3/4"	50-250 psig	HGS3A12ND1BC	HGS3A12NE1BC	HGS3A12NG1BC	HGS3A12NM1BC	HGS3A12NN1BC
	250-1,500 psig	HGS3B12ND1BE	HGS3B12NE1BE	HGS3B12NG1BE	---	---
1"	50-250 psig	HGS4A16ND1BC	HGS4A16NE1BC	HGS4A16NG1BC	HGS4A16NM1BC	HGS4A16NN1BC
	250-1,500 psig	HGS4B16ND1BE	HGS4B16NE1BE	HGS4B16NG1BE	---	---

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.

