

JISKOOT Line Balanced Relief Valve



Cameron's JISKOOT™ line balanced relief valve (LBRV) is designed to reduce the maintenance costs of high-pressure samplers. It is an alternative to the traditional fixed setting relief valve fitted at the outlet to a sampler.

Normally a fixed relief valve will be set to operate at the maximum design operating pressure, with the consequence that the differential pressure required to open the valve may be significantly higher than the actual operating conditions demand.

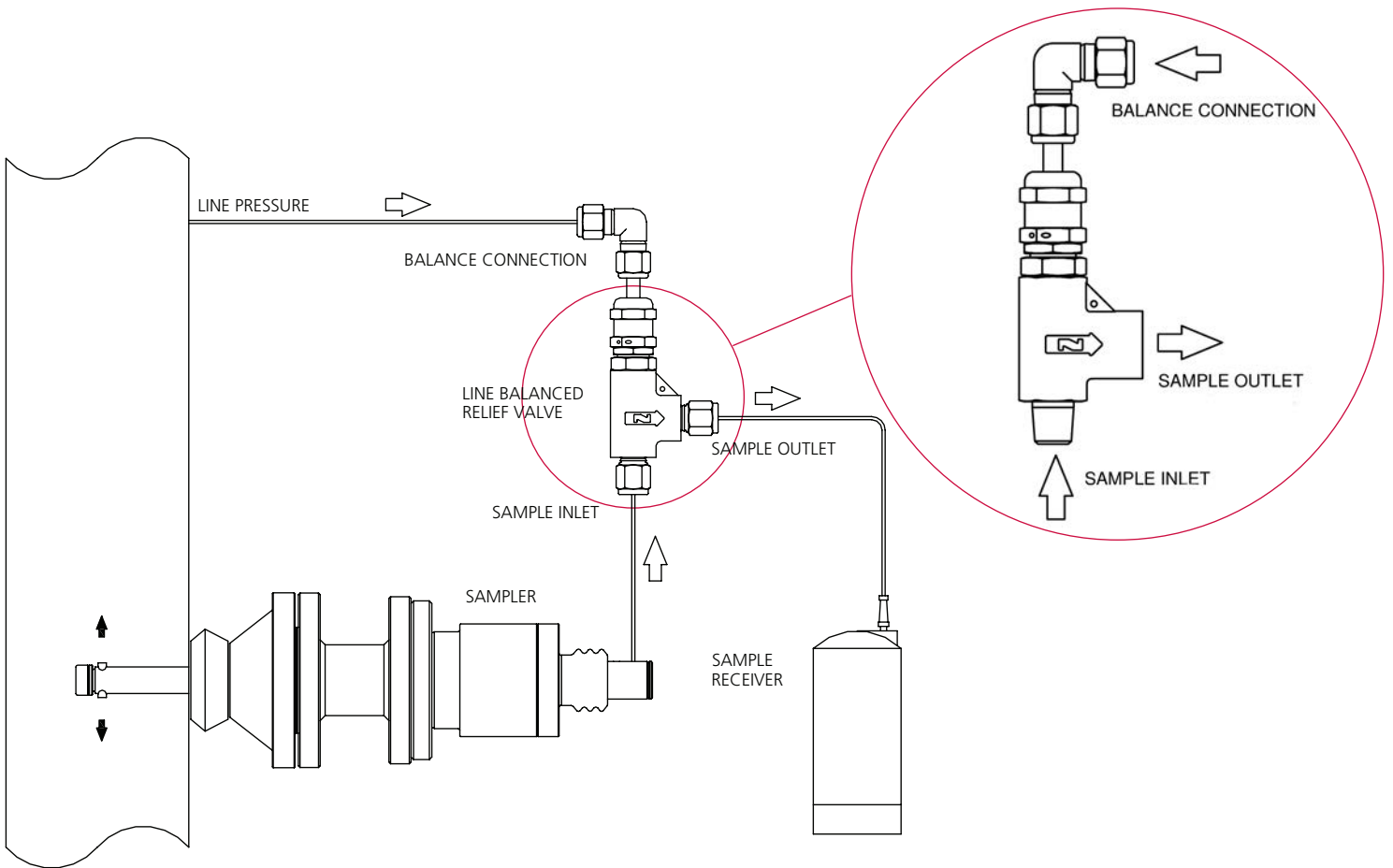
For example, a full 600# rated system may only be operating at 100 psi (7 bar), but to meet the system design pressure the relief valve may be set to 1440 psi (100 bar). This means that the sampler needs to produce an additional 1340 psi (93 bar) for every grab. This extra pressure results in additional wear on the sampler seals.

The LBRV works to balance the outlet backpressure requirement of the sampler to exceed the current process pressure by a fixed setting, minimizing the wear and tear on the sampler seals and also on the seats and seals of the relief valve. The use of this device should increase both the life and the reliability of the sampling system onto which it is installed.

Who Should Use This Device?

Applications subject to significant fluctuation in pressures, abrasive content, or high pressures.

The LBRV has been found to extend the life cycle of the main seals within the sampler in severe service.



Specifications

Connections	1/4" or 6 mm (optional) tube or NPT
Maximum Operating Pressure	3675 psi (250 bar)
Differential Pressure	110 psi (7.5 bar)
Line Temperature	25° F to 248° F (-4° C to 120° C)
Viscosity Range	0.5 to 1000 Cst
Materials of Construction	316 stainless steel with FKM seals

LOCATIONS

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