

# Anti-Siphon Back Pressure Check Valves

## CSV Series

### Introduction

Chemical pumps are commonly used in the industries like oil and gas, chemical, pulp & paper, etc. The function is to inject a certain amount of chemicals into the system to improve production or prevent corrosion. Usually, anti-siphon valve, back pressure valve and check valve are installed downstream to ensure the chemical pump works properly.

FITOK CSV series anti-siphon back pressure check valves integrate three different functions into one, help you to save space, improve installation efficiency and reduce maintenance:

**Anti-Siphon function:**

reduce unwanted siphoning due to wellhead or pipeline condition change.

**Back pressure function:**

provide back pressure to keep the consistent output flow from chemical pump.

**Non-Return function:**

prevent fluids flowing back to the chemical pump.



### Features

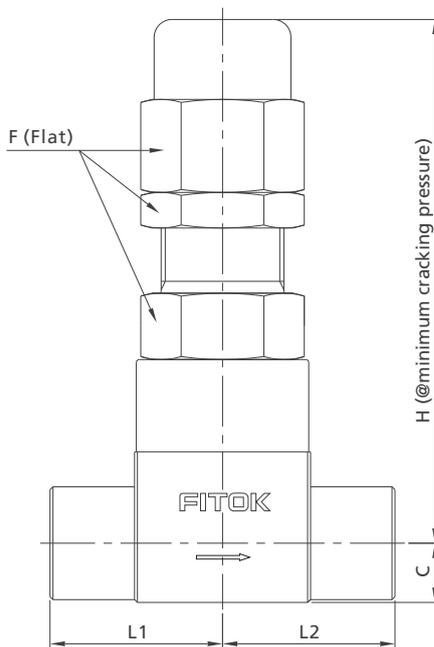
- ⦿ Integrate three different functions into one, fewer number of connections improve the system reliability
- ⦿ Small size, light weight and low installation space requirements, easy for installation and operation
- ⦿ Inline adjustment of cracking pressure with broad pressure range

### Technical Data

Maximum Working Pressure		10000 psig (690 bar)
Working Temperature		0 °F ~ 392 °F (-18 °C ~ 200 °C)
Cracking Pressure Range		50 ~ 450 psig (3.44 ~ 31.0 bar)
Orifice Size		0.189 in. (4.8 mm)
Materials	Body, stem, bonnet	316 SS
	Sealing part	FKM, PTFE
Flow		3 GPM @ 1000 psig

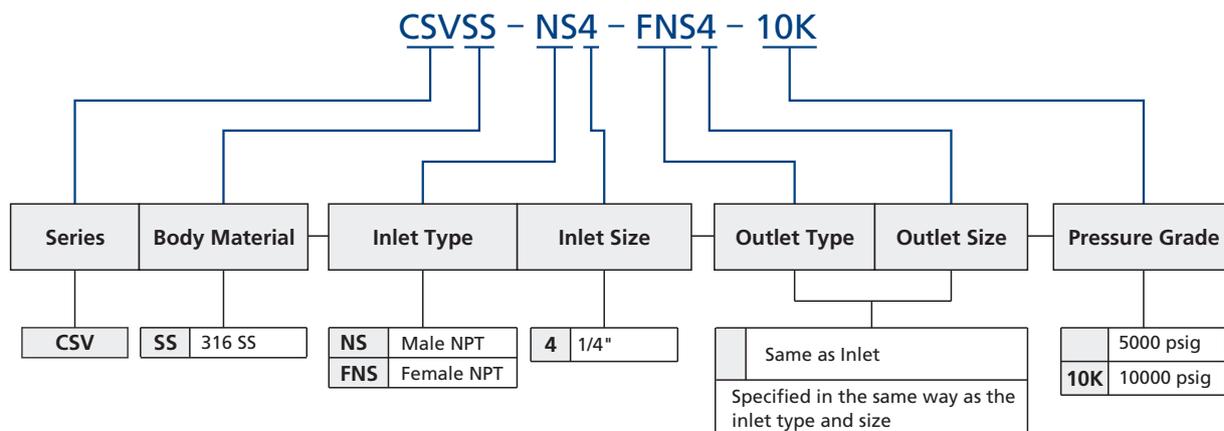
## Dimensions

Dimensions, in inches (millimeters), are for reference only and are subject to change.



Ordering Number	Connection Type and Size		Dimensions, in. (mm)				
	Inlet	Outlet	L1	L2	C	H	F
CSVSS-FNS4	1/4 Female NPT	1/4 Female NPT	1.14 (29.0)	1.14 (29.0)	0.39 (10.0)	3.48 (88.4)	7/8 (22.23)
CSVSS-NS4	1/4 Male NPT	1/4 Male NPT					
CSVSS-FNS4-10K	1/4 Female NPT	1/4 Female NPT					
CSVSS-NS4-10K	1/4 Male NPT	1/4 Male NPT					

## Ordering Number Description



Note: "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number, not all combinations are available.