



**GUTE  
VALVE**

厦门固特阀门制造有限公司

# Safety Relief Valves



XIAMEN GUTE VALVE MANUFACTURING COMPANY



# XIAMEN GUTE VALVE COMPANY

## Direct acting spring loaded safety valves

### Purpose

They are designed to protect equipment and pipelines from mechanical destruction by excess pressure by automatically releasing excess liquid, vapor and gaseous medium from systems and vessels with pressure above the set value. The valve must also ensure that the discharge of the medium stops when the working pressure is restored. The safety valve is a direct-acting valve that operates directly from the working medium.

Dangerous excess pressure may arise in the system as a result of external factors (incorrect operation of equipment, heat transfer from external sources, incorrectly assembled heat-mechanical circuit, etc.), as well as a result of internal physical processes caused by some initial event not provided for by normal operation. SRVs are installed on almost any equipment, but they are especially important in the field of operation of industrial vessels operating under pressure.

We also manufacture so-called change-over devices, which are used in a block with two safety valves to switch their action. Change-over device can be connected to the input and output of safety valves, if necessary, and connected to each other by a chain transmission for the purpose of synchronous control. When the flywheel of one of the switching devices (for example, installed at the input to the valves) rotates, the shut-off element of both switching devices moves simultaneously and the pipeline is closed at the input and output to the safety valve.



Description:	
Nominal diameter INLET/OUTLET	1/2" - 12" / 1"-16"
Conditional pressure	PN16-400 / ASME 150-2500
Safety valve body type	Cast
Change-Over valve body type	Cast or Forged
Housing material	Carbon, alloy and stainless steels, duplex steels, inconel, monel, hastello
Design Standards	EN ISO 4126, API 526, ASME Sect. VIII., AD 2000-A2
Valve calculation	EN ISO 4126, AD 2000, API 520
Tightness standards	API 527, EN ISO 4126, ГОСТ P 54808-2011.
Ends	EN 1092, ASME B16.5, ГОСТ P 54432-2011
Housing	closed to gases and liquids, open to steam
Cap	regular or sealed
Operation	automatic or with forced mechanism
Options	bellows, jacket, locking screw, release lever, soft seat, seat flush

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## Пружинные предохранительные клапаны прямого действия

### LEVER

device manual undermining  
For control blowing valve.

### BEARING

to support the axial position of large  
valve stems.

### SPRING

Supply force to control the open/close  
position of outlet.

### BODY

outlet line of the current from the valve and  
the chamber of the shut-off device.

### STOPPER SCREWS

for precise adjustment of the position of  
the skirt and seat ring.

### GUIDE CAGE

for precise adjustment of the active surface  
of the saddle cross-section.

### LANDING RING

For fine adjustment of the flow hole.

### FLANGE NIPPLE

inlet flow line to the valve with  
the calculated valve seat  
diameter.

### CAP

protects the adjusting screw from  
external influences.

### REGULATORY SCREW

to adjust the valve connection at the  
required pressure.

### HOUSING

open or closed to protect the spring  
from mechanical damage.

### SPINDLE (STOCK)

one-piece, to achieve the necessary  
mechanical

properties and hardness, made from  
heat-treated material .

### SEAT

integrated hard alloy welded to the  
body with subsequent mechanical  
processing and lapping

### DISC

valve shut-off element. Can be made  
with welded sealing surfaces solid  
alloy.