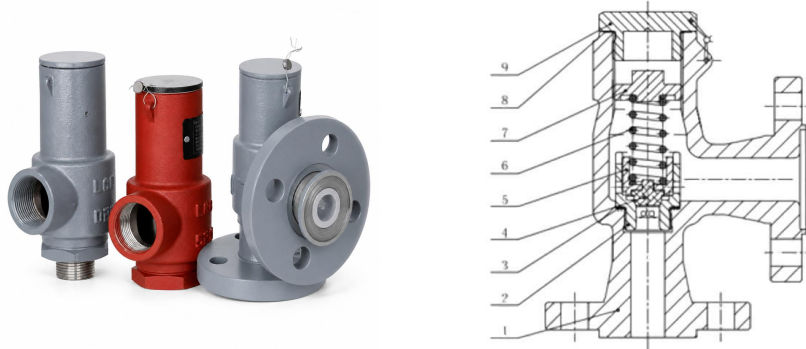


SFA-42F25C Safety Valve



Main Performance Specification

Type	SFA-42F25C
Nominal Diameter	DN15 ~ DN50
Shell Test Pressure	3.75MPa
Relieving Pressure	≤1.1 times of set pressure
Seal Pressure	0.9 times of set pressure
Seal Property	No leakage after 2-minute air tightness test; Leakage rate ≤2.8g/year via halogen leak detection
Suitable Temperature	-40 ~ 150℃
Suitable Medium	Refrigerants, lubricating oil, water, etc.
Flanged Connection Standard	HG/T20529; Customizable for special requirements

Main Parts Material

No.	Part Name	Materials
1	Body	WCB
2	Seat	20Cr13
3	Gasket	Neoprene Rubber
4	Seal Ring	PTFE
5	Disc	06Cr19Ni10 / 45# Steel
6	Spring	50CrVA
7	Adjust Nut	45# Steel
8	Gasket	PTFE
9	Bonnet	45# Steel

Rated Capacity (Air) Unit: kg/s

Size	Throat Diameter do (mm)	Set Pressure (MPa)				
		0.5	1.0	1.5	2.0	2.5
DN15	12.0	0.1041	0.2690	0.3923	0.5156	0.6389
DN20	16.0	0.1850	0.4782	0.6974	0.9166	1.1357
DN25	22.0	0.3498	0.9041	1.3185	1.7329	2.1473
DN32	26.5	0.5075	1.3118	1.9130	2.5143	3.1155
DN40	34.0	0.8355	2.1594	3.1491	4.1389	5.1286
DN50	40.0	1.1564	2.9888	4.3587	5.7285	7.0984