

Product Overview



Description

A control valve, actuator and pressure-setting spring provide upstream or downstream pressure control in non-corrosive liquid, gas and steam piping.

Configuration

Item	Description
Construction	Single seat, double seat or sleeve
Control	Upstream or downstream

Selection & Ordering

Selection Item	Required Information
Medium	Name, composition and corrosiveness
Service	Temperature, pressure and differential pressure
Size	Nominal size and bore requirement
Ends	Type, standard and mating connection
Materials	Body, trim, packing and sealing combination
Operation	Operating mode and installation clearance

Also provide the control objective, setting range, flow and allowable differential pressure. Select actuation and control accessories for the actual service.

Product Overview



Description

For nitrogen blanketing at the top of a vessel, controlling the supply or discharge device according to tank pressure. The product photograph shows the supply configuration; select supply and discharge configurations separately for their service conditions.

Configuration

Item	Description
Brand	IKUSE
Size	Supply DN25–100; discharge DN20–100
PN	1.6 / 4.0 / 6.4 MPa

Selection & Ordering

Selection Item	Required Information
Medium	Name, composition and corrosiveness
Service	Temperature, pressure and differential pressure
Size	Nominal size and bore requirement
Ends	Type, standard and mating connection
Materials	Body, trim, packing and sealing combination
Operation	Operating mode and installation clearance

Also provide the control objective, setting range, flow and allowable differential pressure. Select actuation and control accessories for the actual service.

Product & Specifications

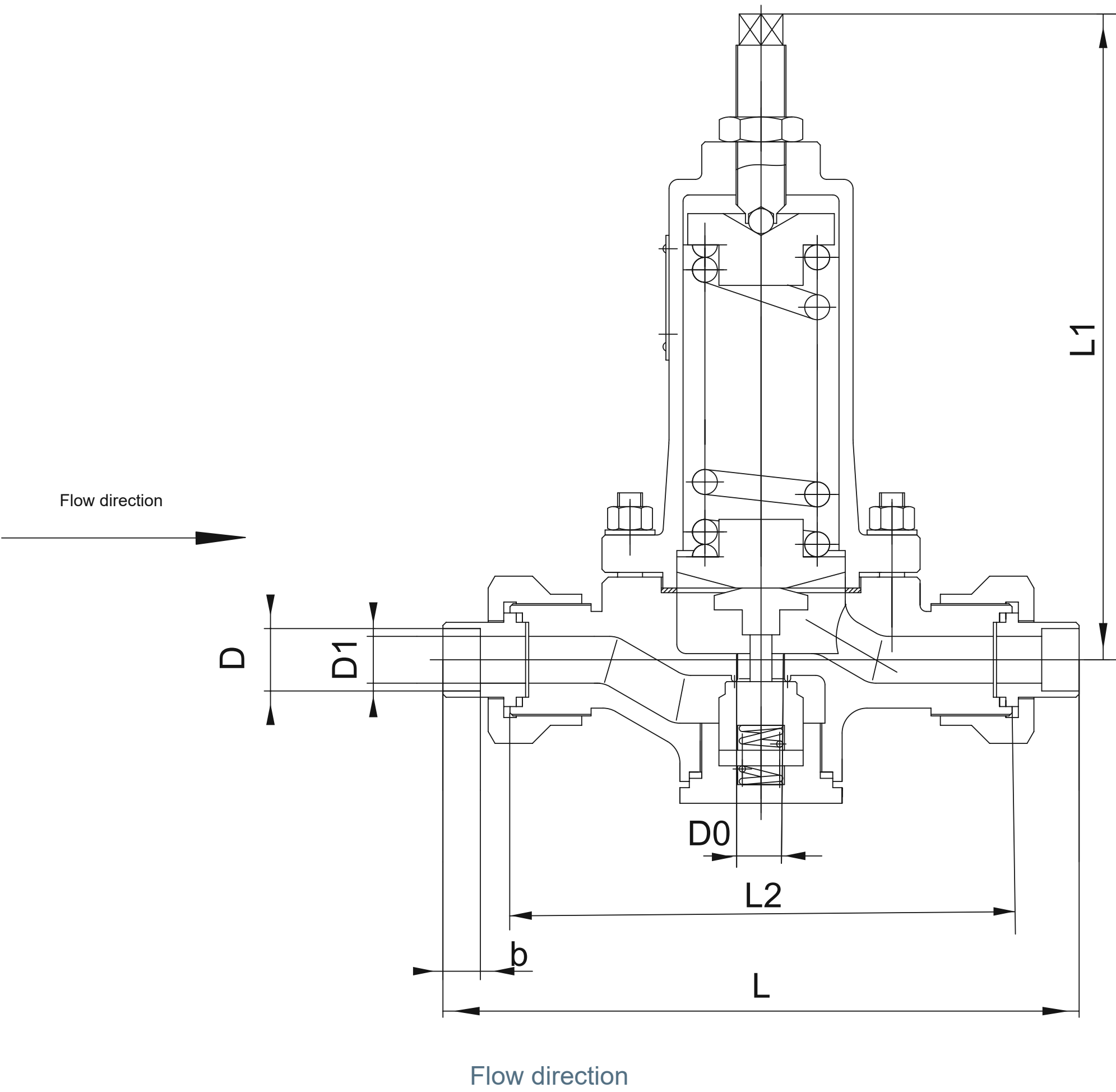


Item	Specification
Model	DY22F-25P
Size	DN10–50
PN	2.5 MPa
Service temperature	−196℃~+80℃
Media	LO ₂ , LN ₂ , LAr, LNG
Connection	Socket-weld joints
Downstream pressure ranges	0.2–0.8 MPa; 0.8–1.6 MPa

Main Part Materials

Part	Material
Body & bonnet	CF8
Spring	1Cr18Ni9-B
Diaphragm	QBe2
Socket-weld joints	06Cr19Ni10

Outline & Connection Dimensions



Dimensions: mm

Size	L	L1	L2	D	D0	D1	b	Weight (kg)
DN10	232	198	152	14.5	10	10	10	2.2
DN15	232	198	152	18.5	12	15	10	3.6
DN20	251	249	160	25.5	14	20	10	8.8
DN25	251	249	160	32.5	14	25	10	12.2
DN32	267	321	170	38.5	18	32	10	14.9
DN40	267	321	170	45.5	20	40	10	15.9
DN50	373	341	259	57.5	25	50	15	22.3

Product & Specifications



Valve assembly without end fittings
Valve assembly without end fittings

Item	Specification
Model	DY21F-25P
Size	DN10–50
PN	2.5 MPa
Service temperature	−196°C~+80°C
Media	LO ₂ , LN ₂ , LAr, LNG

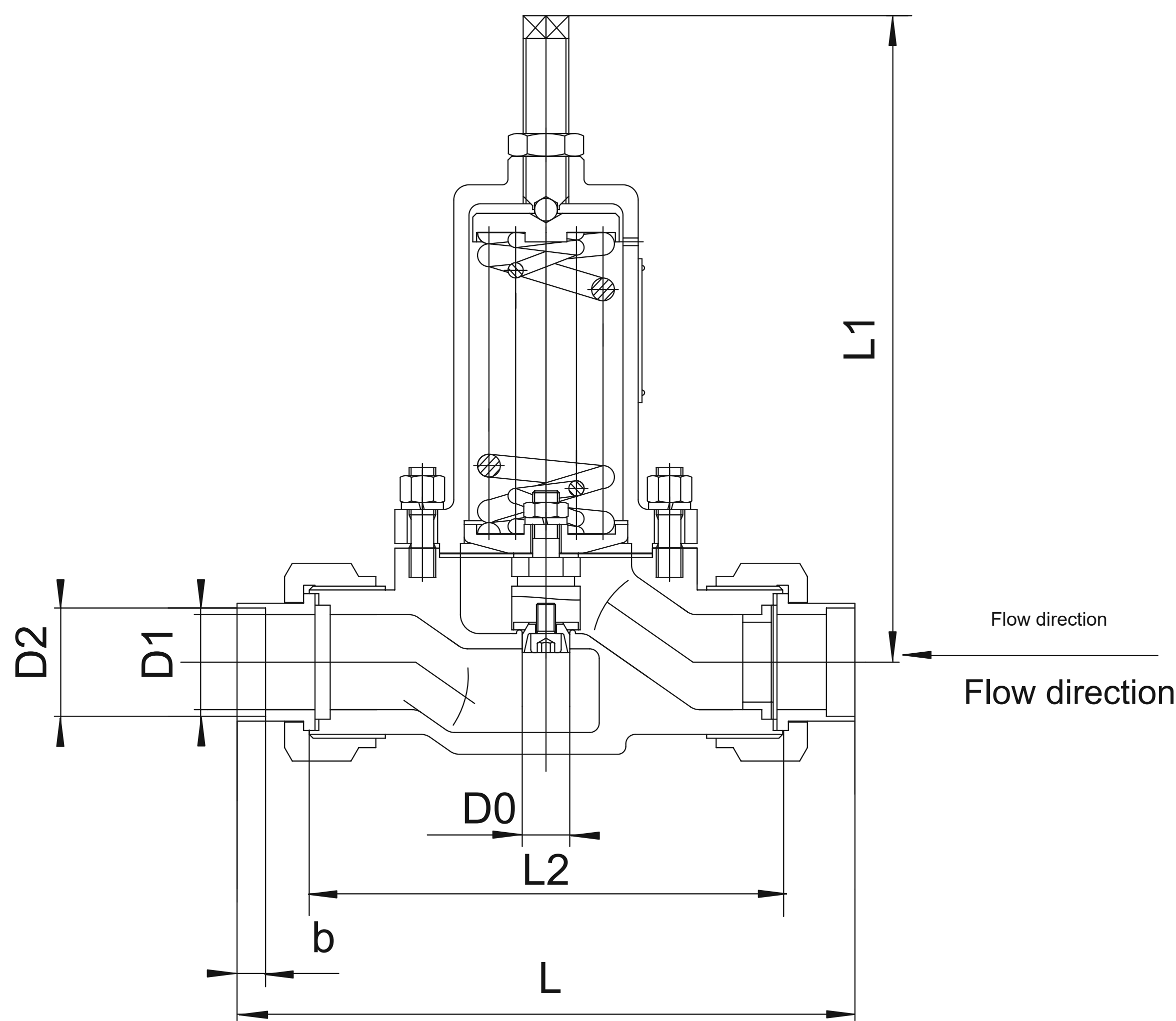
Main Part Materials

Part	Material
Body & bonnet	CF8
Spring	1Cr18Ni9-B
Diaphragm	QBe2
Socket-weld fitting	06Cr19Ni10

Opening Pressure Ranges

Config.	Pressure range
01	0.22–0.88 MPa
02	0.88–1.76 MPa

Outline & Connection Dimensions with End Fittings



Assembly with socket-weld end fittings

Dimensions: mm

Size	L	L1	L2	b	D0	D1	D2	Weight (kg)
DN10	232	228	152	10	6	10	14.5	2.0
DN15	232	228	152	10	8	15	18.5	4.3
DN20	251	245	160	10	10	20	25.5	8.0
DN25	251	245	160	10	12	25	32.5	11
DN32	267	265	170	10	13	32	38.5	15
DN40	267	265	170	10	19	40	45.5	16
DN50	373	341	259	15	20	50	57.5	25