Model		BYNIK – 50
Inlet Connection		JIS 10K 50A Flange
Outlet Connection		JIS 10K 50A Flange
Spacing		267 mm
Inlet Pressure range		0.01 ~ 0.99 MPa (100 mbar ~ 9.9 bar)
Outlet Pressure range		1.00 ~ 20.0 kPa (10 ~ 200 mbar) *1 *2
Working Temperature Range		-15 ~ 60 °C
Air - Tightness Test	Inlet	1.10 MPa (11 bar)
	Outlet	55.0 kPa (550 mbar)
Hydrostatic Test	Inlet	1.50 MPa (15 bar)
	Outlet	0.30 MPa (3 bar)
Lockup Pressure		Within outlet pressure setting x 1.25 kPa (12.5 mbar)
AR-OPSO	Working Pressure	Lockup pressure + (inlet pressure x 0.015, but at least 5 kPa (50 mbar)
	Reset Method	Auto reset due to the outlet pressure decreasing
Strainer Mesh		100 mesh *3
Product Weight		Approx. 21 kg

*1 Each spring has a different specific set point within this range
*2 The mounting position effects a change in outlet pressure
*3 200 Mesh is also available

Capacities

Q(Nm³/h) Specific Gravity:0.65

P1 (MPa)	Outlet Pressure Setting(kPa)				
	2.00	5.00	10.0	15.0	20.0
0.04	75	60	75	85	85
0.10	175	100	150	180	190
0.15	250	140	200	250	270
0.30	300	220	320	350	350
0.50	350	320	350	350	350
0.70	350	350	350	350	350
0.90	350	350	350	350	350

*Based on 20% droop

Spring Selection

No.	①	②	③
Set point Range (kPa)	1.00～1.90	1.90～2.30	2.30～5.00

No.	④	⑤	⑥
Set point Range (kPa)	5.00～10.0	10.0～15.0	15.0～20.0

Dynamic Characteristics

P1 (MPa)	Q set (Nm³/h)	P2(2.00kPa)		
		⊿a kPa	⊿b kPa	⊿c kPa
0.15	10	0.10	0.07	0.24
	50	0.44	0.13	0.64
	100	0.74	0.16	1.30
0.30	10	0.09	0.08	0.21
	50	0.39	0.16	0.62
	100	0.89	0.31	1.22
0.70	10	0.00	0.05	0.27
	50	0.25	0.15	0.63
	100	0.44	0.28	1.06

*Capacities in NG(S.G. 0.65)determined with 0.1m³/h downstream piping inner volume.