702 703 704

NEO-PINCH VALVES

Fluid is perfectly controlled by the elasticity of a special rubber sleeve.

The valve is opened and closed easily when the powerful special rubber sleeve located inside it is pressed. This is a straight through-type slurry valve of the simplest compact structure.

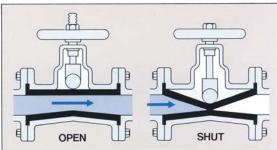
This valve has an ultra-long life, ensures ease of maintenance with no pressure loss, and is suitable for handling fluids, such as sludge, ore slurry, cement, powder, pulp, and sewer sludge.

The valve perfectly seals off the flow of fluid and is not affected by the penetration of solid matters.

Operation Principles

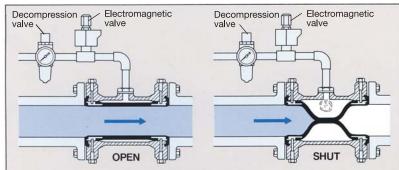
OKM's Neo Pinch Valves are classified into the 704 and 703 models, which are of air-pressurized operation type, and the 702 model, which is of manual operation type. The respective operation principles of these models are shown below.

Manual (702)



The rubber sleeve will be pressed to control the fluid when the clamp is operated with the manual handwheel.

Air pressurization (704 / 703)



The rubber sleeve will be pressed to control the fluid when an operation air pressure 0.20 to 0.29 MPa higher than the pressure of the fluid is applied to the valve.

Standard Specifications

704

703

	•							
Model	Size(mm)	Max.Service Pressure	Max.Service Temperature	Sleeve Material	Body Material	Face To Face	Action type	
704	25 to 100	0.4MPa	-10 to 80℃	CR	FC250	JIS10K		
703	125,150	0.3MPa	40 to 00°0	OD ND	E0050	1104014	Air pressurization	
	200	0.2MPa	-10 to 80℃	CR, NR	FC250	JIS10K		
702	25 to 300	0.5MPa	-10 to 80℃	CR, NR	FC250	JIS10K	Manual [*]	

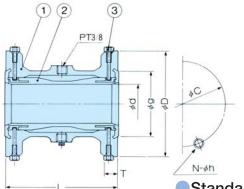
702

%cylinder or motor driving available as well)

[♦]Operating conditions may vary with the fluid specifications. Contact your OKM representative.

Fluid under the perfect remote control of air pressurization.

- The 704 and 703 models are compact automatic valves that can be under remote control by mounting an electromagnetic valve and decompression valve to each model provided with air piping. An operation air pressure 0.20 to 0.29 MPa higher than the pressure of the fluid makes it possible to open and close the valve with ease.
- Each valve is operable semipermanently with the rubber sleeve replaced periodically.
- The elasticity of the rubber sleeve will perfectly shut off the fluid if a solid matter is caught by the valve.
- The rubber sleeve made of a special molding compound ensures high durability.



Standard Materials							
No.	Part Name	Material					
1	Body	FC250					
2	Sleeve	CR					

SUS304

Stopper Bolt

3 PT1/2 PT1/2 N-4h

Standard Materials

No.	Part Name	Material
1	Body	FC250
2	Flange	SS400
3	Bushing	SUS304
4	Sleeve	NR · CR

Dimensions

	Nominal Size		d	7	D	1	т	С	N	h	Weight
	inch	mm	ŭ	DD	ם	L	1		IN	11	Weignt
	1	25	27	63	125	160	18	90	4	M16	4.6
	11/2	40	40	75	140	160	20	105	4	M16	5.9
7	2	50	50	90	155	170	20	120	4	M16	7.1
0	21/2	65	65	109	175	185	22	140	4	M16	9.7
	3	80	80	121	185	230	22	150	8	M16	11.8
	4	100	98	147	210	285	24	175	8	M16	16.8

(Size: mm, Weight: kg)

Dimensions

		Nominal Size inch mm		d	g	D	L	Т	С	N	h	Weight
	7	5	125	125	185	280	350	24	210	8	M20	54.0
	Ó	6	150	150	215	330	420	26	240	8	M20	84.0
	3	8	200	200	260	400	555	26	290	12	M20	126.0

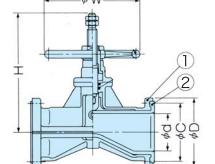
(Size: mm, Weight: kg)

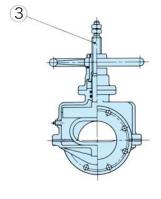
702

- The 702 model has a rubber sleeve covered with rigid cast iron, thus ensuring high durability.
- The rubber sleeve can be replaced with ease by removing the tightening bolts of the valve body.
- The 702 Series provides two types of models, i.e., the 702-C model, which is driven by an air cylinder, and the 702-M model, which is driven by a motor. Contact your OKM representative for details.

Standard Materials

No.	Part Name	Material
1	Body	FC250
2	Sleeve	NR·CR
3	Stem	SUS403





Dimensions

mm	_									
		Н	D	С	Т	W	Weight			
25	149	202	125	90	16	160	10			
40	184	247	140	105	18	180	14			
50	211	269	155	120	18	180	18			
65	260	324	175	140	18	200	23			
80	289	363	185	150	18	224	31			
100	338	421	210	175	20	280	41			
125	407	446.5	250	210	22	315	55			
150	480	496	280	240	32	400	78			
200	655	650	330	290	34	400	140			
250	785	846	400	355	34	355	228			
300	935	914	445	400	40	355	355			
	40 50 65 80 100 125 150 200 250	40 184 50 211 65 260 80 289 100 338 125 407 150 480 200 655 250 785	40 184 247 50 211 269 65 260 324 80 289 363 100 338 421 125 407 446.5 150 480 496 200 655 650 250 785 846	40 184 247 140 50 211 269 155 65 260 324 175 80 289 363 185 100 338 421 210 125 407 446.5 250 150 480 496 280 200 655 650 330 250 785 846 400	40 184 247 140 105 50 211 269 155 120 65 260 324 175 140 80 289 363 185 150 100 338 421 210 175 125 407 446.5 250 210 150 480 496 280 240 200 655 650 330 290 250 785 846 400 355	40 184 247 140 105 18 50 211 269 155 120 18 65 260 324 175 140 18 80 289 363 185 150 18 100 338 421 210 175 20 125 407 446.5 250 210 22 150 480 496 280 240 32 200 655 650 330 290 34 250 785 846 400 355 34	40 184 247 140 105 18 180 50 211 269 155 120 18 180 65 260 324 175 140 18 200 80 289 363 185 150 18 224 100 338 421 210 175 20 280 125 407 4465 250 210 22 315 150 480 496 280 240 32 400 200 655 650 330 290 34 400 250 785 846 400 355 34 355			

(Size: mm, Weight: kg)

*Actuators of 250 to 350mm is Worm-Gear Type