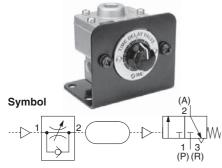
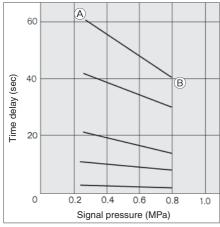
Transmitters: Time Delay Valve Series VR2110

Combination of adjustable orifice and fixed flow allows transmission of a pneumatic signal after a fixed time period.

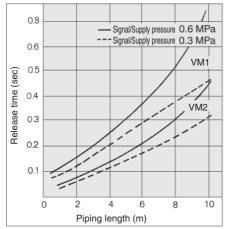


Input Signal (PIL) vs. Time Delay



Example) (A) is the point, which is set by the input signal pressure 0.25 MPa, with a delay time of 60 sec. With the same status, if the input signal pressure is increased to 0.8 MPa, the delay time varies to the $\ensuremath{\mathbb{B}}$ point (≅ 40 sec).

Piping Length vs. Release Time



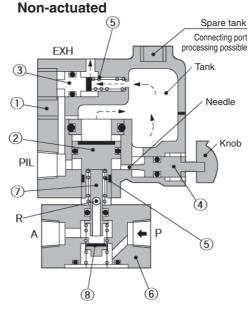
If the input signal (PIL) is turned OFF, the release time of the time delay valve changes depending upon the effective area of the valve and the length of piping. Please refer to the above graph for the standard values.

Model/Specifications

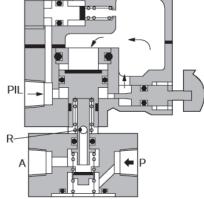
M	odel	VR2110-01		
Supply pressure		0 to 1.0 MPa		
Signal pressure		0.25 to 0.8 MPa		
Time delay		0.5 to 60 s		
Repeatability*		±10 % F.S. (Representative valve)		
Operating and fluid temperature		-5 to 60 °C (No freezing)		
Flow-rate characteristics	C[dm³/(s·bar)]	0.5 (P→A), 0.4 (A→R)		
	b	0.2 (P→A), 0.15 (A→R)		
Port size		1/8		
Weight		500 g		

*) The dispersion is shown excluding the first actuation when actuated 4 times continuously.

Construction



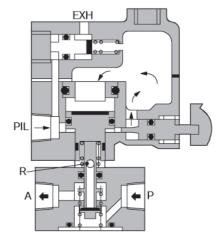
EXH



Actuated before time set

RoHS

Actuated after time set

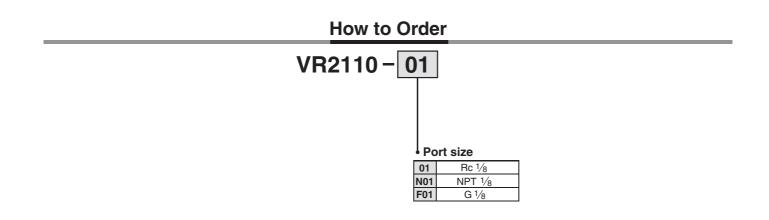


Component Parts

No.	Description	Material	Note	No.	Description	Material	Note
1	Valve body	ADC	Platinum silver	5	Return spring	Steel	
2	Differential piston	Brass, NBR	Rubber lined	6	Valve body	ZDC	Platinum silver
3	Exhaust piston	Brass, NBR	Rubber lined	7	Plunger	POM	
4	Needle	Brass		8	Valve	NBR	



Transmitters: Time Delay Valve Series VR2110



Dimensions

