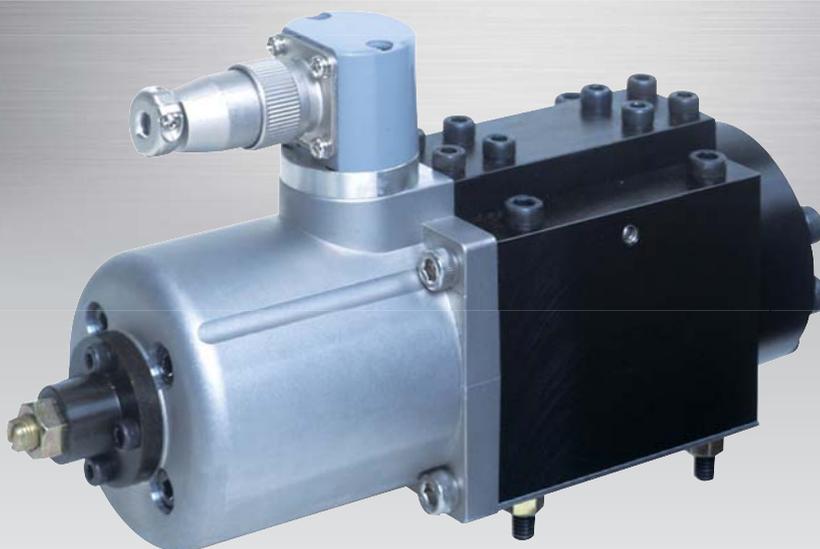


Industrial Servo Valves **Power Guide** **PG300 PG500 PG800**



High responsivity and greater compactness!

Power Guide models are industrial servo valves designed for general applications. These lightweight, compact valves offer high performance and ease of use. Nireco Power Guides, which keep on going even with dirty hydraulic oil, are changing the image of industrial servo valves. The function of Power Guides is to receive an input current signal from the amplifier and convert it into a hydraulic control signal.

Features

Compact	Smaller and lighter, the unit has only one fifth the volume of previous models.
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High responsivity	45 Hz / -3 dB
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Power Guide servo valves feature high responsivity and high gain, with a low hysteresis, achieving high levels of precision in EPC and CPC.

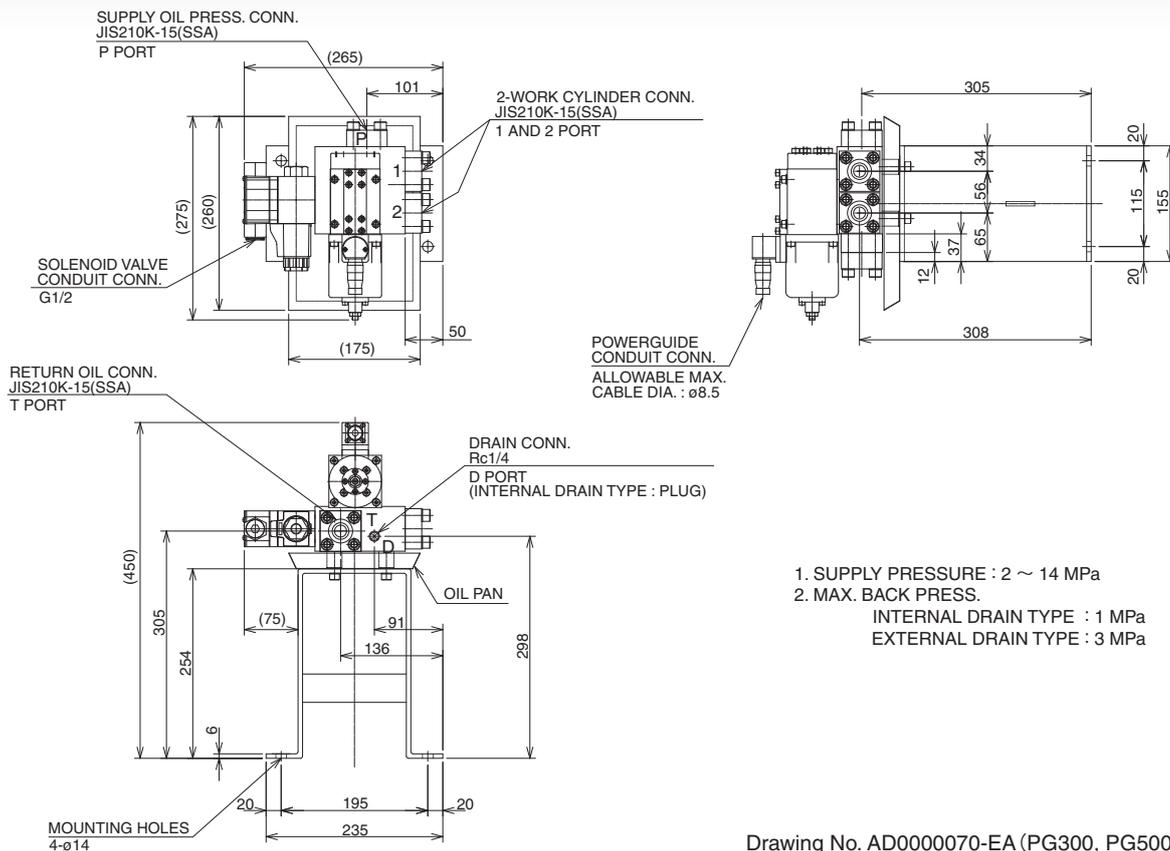
Power Guide servo valves use a double-pilot design, proven over long periods of use. The simple servo valve design will operate even with ordinary hydraulic oil*.

*: Hydraulic oil of NAS11 grade may be used, but there may be problems with NAS11 or lower if there is a high concentration of debris of 5μ or smaller.

Specifications

Model	PG800	PG500	PG300
Dimensions	114 × 224 × 70		
Rated pressure	2 ~ 14 MPa		
Rated flow L / min	80	50	25
Return-side pressure resistance	Internal drain	1 MPa	
	External drain	3 MPa	
Internal leakage L / min	4.5	3.5	3
Response of frequency	45 Hz / -3 dB		
Hysteresis	1 %		
Ambient operating temperature	0 ~ 50 °C		
Hydraulic oil temperature	10 ~ 60 °C		
Hydraulic oil contamination grade	NAS grade 11 / Weight grade 103		
Line filter	10 μm (β ₁₀ ≥ 200)		
Moving Coil resistance value	18.5 Ω		
Rated current	±200 mA		
Recommended dither signal (100 Hz)	2 Vp-p		
Fixed orifice	ø0.4 mm		
Hydraulic oil	Mineral oil, water-glycol fluid, fatty acid esters, phosphate esters		

Dimensions (units: mm)



We reserve the right to change the specifications in this catalog without prior notice to improve and update our products.



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