



Cryogenic Control Valve

DC Series

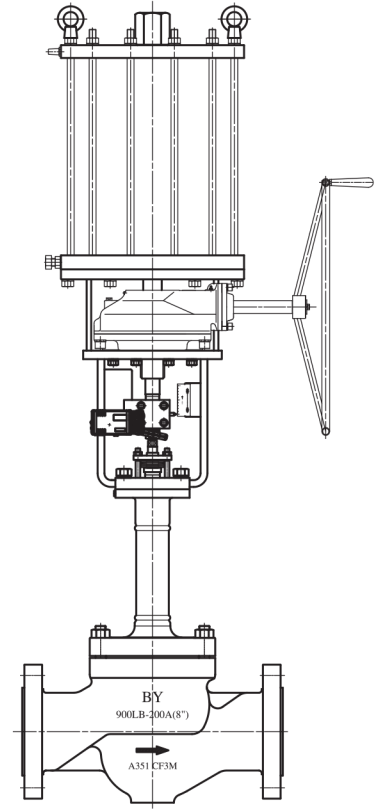
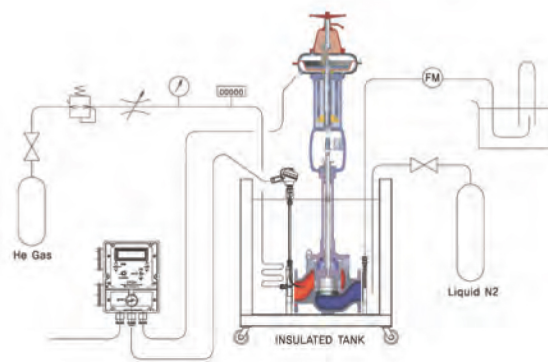


► DC FEATURES

Eagle DC-Series Globe Body Control Valve is designed to operate under Low Temperature (-196°C) range services such as LNG (Liquified Natural Gas), Oxygen, Nitrogen and etc. The valve consists of standard valve body assembly and an extension type bonnet. Many types are provided to control fluids of low and very low temperature ranges and to meet the diversifying low temperature specifications. The core of these valve is the massive cage guidance system for the valve plug which provides strength, rigidity and years of precise flow control.



Diaphragm Actuator Type



Cylinder Actuator Type

DC GENERAL SPECIFICATION

Actuator Type	Diaphragm Actuator	Cylinder Actuator
Valve Body Type & Style	Single seated globe body with cage guided throttling trim	
Pressure Rating	ANSI 125 ~ 2500 (JIS 5 ~ 63K)	
Valve Size	1" ~ 16" (25A ~ 400A)	
Body & Bonnet Material	ASTM A351 CF8M or CF3M (SCS14 or SCS16)	
Packing Material	Laminated Graphite	
Flow Coefficient (Rated Cv)	3.8 to 980	
Flow Characteristics	Equal Percentage, Linear, Parabolic	
Leakage Class	ANSI Class IV, V, VI	
Rangeability	30 : 1 ~ 50 : 1	
Actuator Size	35 in ² , 55 in ² , 85 in ² , 135 in ² , 180 in ²	Ø280, Ø420, Ø520
Actuator Action	Direct (Air to Close) / Reverse (Air to Open) *Double acting is available in cylinder actuator type.	
Spring Range	3 ~ 15 psi (0.2 ~ 1.0 kg/cm ²) / 6 ~ 30 psi (0.4 ~ 2.0 kg/cm ²)	25 ~ 50 psi (1.7 ~ 3.4 kg/cm ²)