

## AMCA Hydraulic Fluid Power BV

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	<b>(G) AP-1610-XD</b> Pilot Control Valve Type AP-1610-XD	
	Nominal Flow 10L/min	Nominal Pressure 2.5MPa

### 1. Technical Characteristics

- Fine control with progressive flow characteristic, sensitive in operation;
- Low actuation forces at lever;
- Ergonomic grip with optional electric contacts;

#### AP-1610-XD01

Type AP-1610-XD01 Mono-Lever Pilot Valve



Achieving electromagnetic end position locking  
at each control port, which may be released  
via the switch on the machine;

- Control Port 5 has additional functions (e.g. float position control);
- Compact in structure, convenient  
in pipeline arrangement, reducing pressure losses of the whole system;  
Relief pressure from pilot control  
port changing linearly, improving speed  
adjustment performance, widening speed  
adjustment range;

#### AP-1610-XD02

Type AP-1610-XD02 Mono-Lever Pilot Valve



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### 2. Application Areas

- Loaders
- Bulldozers
- Agricultural machines
- Material handling
- Trash compactors
- Forestry machines
- Container cranes
- Drilling rigs

### 3. Technical Data

Nominal Pressure	MPa	2.5
Max. Pressure	MPa	5
Control Fluid Flow	L / min	10 (Max. flow 16)
Control Pressure Range	MPa	Bucket manifold 0.5~2.5; boom manifold 0.5~2.0
Electromagnet		
Working Voltage	V	Direct current 24 V
Working Current	mA	200~230 (At ambient temperature, voltage 24V)
Working Temperature	°C	-40~120
Rated Suction	N	300 ± 20
Pressure Fluid		Mineral oil (HL, HLP) to DIN 51 524
Fluid Temperature Range	°C	-20~100
Viscosity Range	mm <sup>2</sup> /s	10~380
Fluid Cleanliness		No less than GB/T 14039-2002 class 19/16 or NAS 1638 class 10.
Weight	Kg	13.8

Inching Control Characteristic Curves: Control Range

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