

AMCA Hydraulic Fluid Power BV

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AP-1610-LF

Flow Amplifier Type AP-1610-LF for Engineering Machine

Diameter
25mm

25MPa

up to 160L/min(Max. Flow)

1. Technical Characteristics

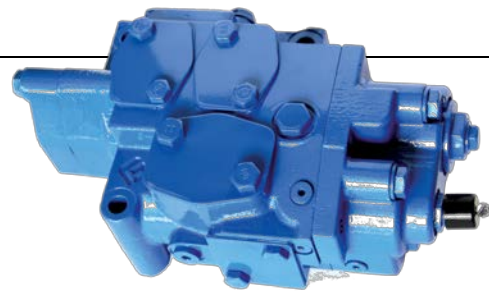
- Compact in structure, flexible and reliable in steering;
- Smooth and simple in operation, reducing mechanical collisions;
- With low flow low pressure controlling high flow high pressure, reducing operation forces;
- Operating on load feedback principle, creating rated differential values between working pressure and loading pressure;
- High energy saving, full utilization of system power;
- With the surplus oil converged into its working system, reducing working pump displacement, therefore, meeting working conditions of high flow low pressure;

Used with

unloading valves to meet the working conditions
of low flow high pressure, reducing system pressure losses.

2. Application Areas

- Loaders AP-1610-LF01
- Bulldozers AP-1610-LF01 Priority Type Flow Amplifier
- Agricultural machines
- Material handling



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3. Technical Parameters		
Nominal Pressure	MPa	20
Max. Pressure	MPa	25
Nominal Flow	L / min	160
Output Flow	L / min	80~145
Hydraulic Oil	Mineral oil (HL, HLP) to DIN 51 524	
Fluid Temperature Range	-20~80	
°C		
Viscosity Range	mm ² /s	10~380
Fluid Cleanliness	No less than GB/T 14039-93 class 19/16 or NAS 1638 class 10.	
Weight	Kg	28.5

4. System Principle Diagram

