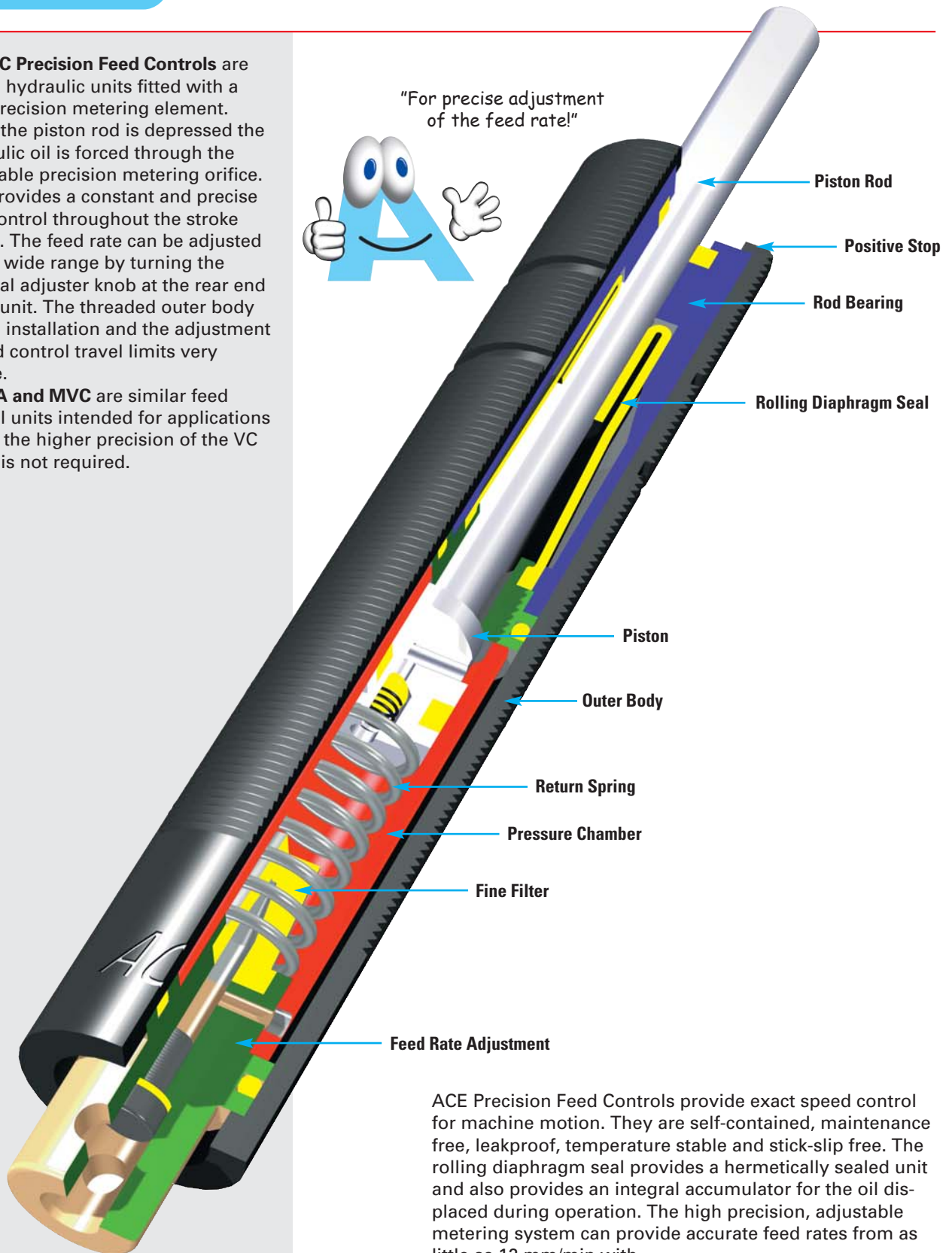


ACE VC Precision Feed Controls are sealed hydraulic units fitted with a high precision metering element. When the piston rod is depressed the hydraulic oil is forced through the adjustable precision metering orifice. This provides a constant and precise feed control throughout the stroke length. The feed rate can be adjusted over a wide range by turning the external adjuster knob at the rear end of the unit. The threaded outer body makes installation and the adjustment of feed control travel limits very simple.

FA, MA and MVC are similar feed control units intended for applications where the higher precision of the VC series is not required.

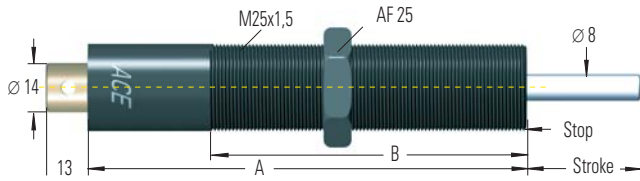
"For precise adjustment of the feed rate!"



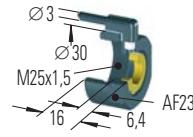
ACE Precision Feed Controls provide exact speed control for machine motion. They are self-contained, maintenance free, leakproof, temperature stable and stick-slip free. The rolling diaphragm seal provides a hermetically sealed unit and also provides an integral accumulator for the oil displaced during operation. The high precision, adjustable metering system can provide accurate feed rates from as little as 12 mm/min with low propelling forces. Applications include saws, cutters, drill feeds, grinding and boring machines in the plastics, metal, wood and glass industries.



Part Number VC 25 FT . . .

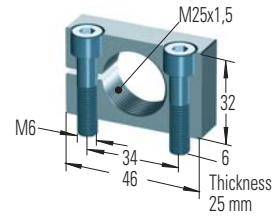


SP 25



Air Bleed Adaptor
for VC 2515 FT to VC 2555 FT

MB 25



Clamp Mount

Accessories, mounting, installation... see pages 32 to 35.

Capacity Chart

Model Part Number	Stroke mm	A	B	Propelling Force N		Return force	Reset time	max. Side load angle °	Weight kg
				min	max	min - max	s		
VC 2515FT	15	128	80	30	3500	5 - 10	0.2	3	0.4
VC 2530FT	30	161	110	30	3500	5 - 15	0.4	2	0.5
VC 2555FT	55	209	130	35	3500	5 - 20	1.2	2	0.6
VC 2575FT	75	283	150	50	3500	10 - 30	1.7	2	0.8
VC 25100FT	100	308	150	60	3500	10 - 35	2.3	1	0.9
VC 25125FT	125	333.5	150	70	3500	10 - 40	2.8	1	1.0

Suffix "FT" signifies a M25x1.5 threaded body.

Suffix "F" signifies a plain body 23.8 mm dia. (without thread) also available, with optional clamp type mounting block.
For VC2515,30 and 55 use 250-0220. For VC2575,100 and 125 use 250-0264.

Technical Data

VC precision feed controls

Feed rate range: min. 0.013 m/min with 400 N propelling force. Maximum 38 m/min with 3500 N propelling force.

Do not rotate piston rod, if excessive rotation force is applied rolling seal may rupture (only applies to VC 2515 to VC 2555).

Outer body: Plain body 23.8 mm dia. (without thread) is also available.

Nylon button PP-600 can be fitted onto piston rod. Unit may be mounted in any position.

When mounting **take care not to damage the adjuster knob**.

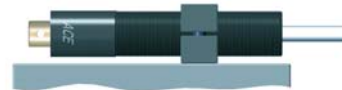
Temperature range: 0°C to 60°C.

Impact velocity: Avoid high impact velocities. At speeds of 0.3 m/s the maximum allowed energy is approx. 1 Nm for units up to 55 mm stroke and approx. 2 Nm for units 75 mm to 125 mm stroke. Where higher energies occur use a shock absorber for the initial impact.

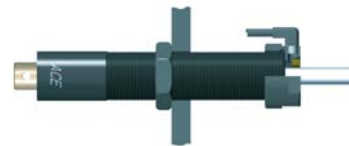
Material: Body heavy duty steel tube with black oxide. Piston rod with hard chrome plating.

In contact with petroleum base oils or cutting fluids specify optional neoprene rolling seal or install air bleed adaptor type SP 25.

Mounting Examples



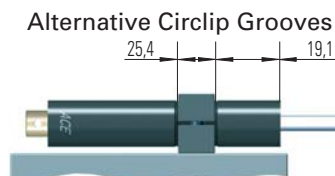
Mounting with clamp mount MB 25



Installed with air bleed collar SP 25



Installed with switch stop collar inc. proximity switch and steel button: AS 25 plus PS 25



Bulkhead mounting for VC25 ... F with mounting block KB ... (23.8 mm Plain body option)

Operating Range VC

