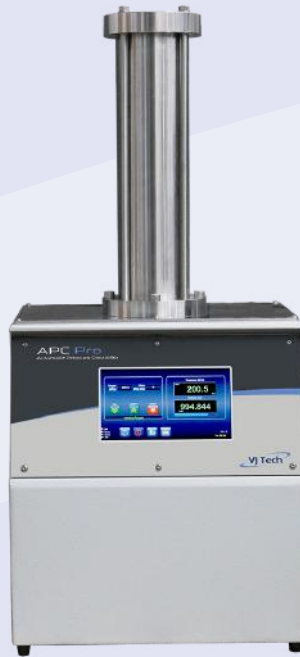
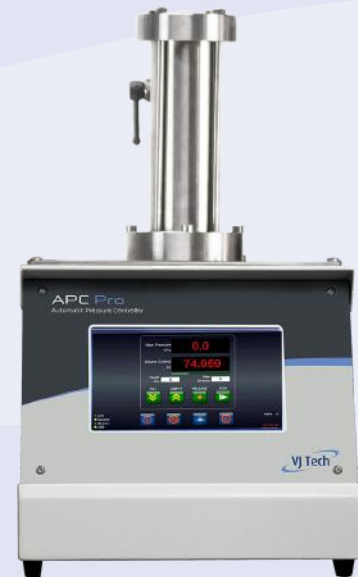




VJT2267D-P - Pro HAPC (3500 kPa)



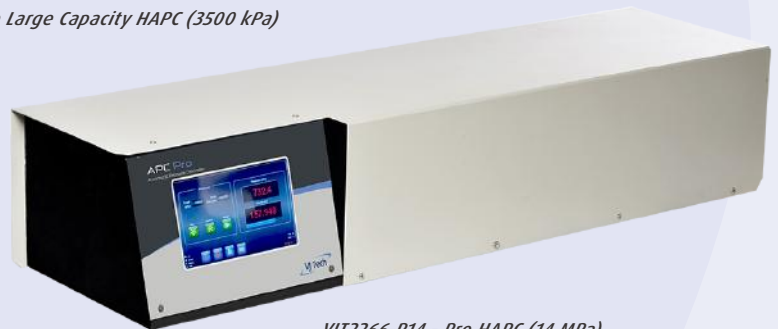
VJT2266A-P3.5 - Pro Large Capacity HAPC (3500 kPa)



VJT2266-P - Pro HAPC (1000 kPa)



VJT2250-P - Pro Pneumatic APC (1000 kPa)



VJT2266-P14 - Pro HAPC (14 MPa)

## Pro Automatic Pressure Controllers (APCs)

VJ Tech manufacture Automatic Pressure Controllers for controlling and measuring the Pressure (and Volume where applicable) inside a Triaxial Cell.

They are controlled by either;

- De-aired water via a water distribution panel (Hydraulic APC) or
- Air from a compressed air supply (Pneumatic APC).

Hydraulic APCs are normally used for;

- Triaxial testing,
- Permeability testing and can be used for
- Dynamic testing (if the Triaxial Cell has a Balance Ram)

Pneumatic APCs are normally used for;

- Dynamic Triaxial testing
- Dynamic Shear with Confining Pressure testing
- Resilient Modulus testing

Pneumatic APCs are used in conjunction with an Air/Water Interface, where a faster response is required.

The Pro Series APCs offer significant advantages over their predecessors by making use of more advanced electronics to give faster processing.

They can now be connected via Ethernet or USB to a PC or laptop and have an integrated touchscreen, as well as a spare external Analogue input socket (2 for the Large capacity, Dual & Air APCs).

### 7" Touchscreen Colour Display Main Screen



## Hydraulic APC Ordering Information

	VJT2260-P	VJT2266-P7	VJT2266-P14	VJT2266-P	VJT2266A-P3.5	VJT2267D-P
Maximum Pressure	3500 kPa	7000 kPa	14000 kPa	1000 kPa	3500 kPa	3500 kPa
Volume Capacity	250 cc	250 cc	250 cc	250 cc	1250 cc	250 cc
No. of Pressure Outlets	1	1	1	1	1	2
No. of Transducer Inputs	1	1	1	1	2	2
Pressure Accuracy	0.15% FRO					
Pressure Resolution	0.1 kPa					
Volume Accuracy	0.25% FRO					
Volume Resolution	250 x 0.001 cc	250 x 0.001 cc	250 x 0.001 cc	250 x 0.001 cc	1250 x 0.001 cc	250 x 0.001 cc
Computer Interface	USB or Ethernet					
Power Supply	DC Adaptor (Output 24VDC, Input 90-240V, 50/60Hz, 1ph)					
Dimensions (W x D x H) (mm)	270 x 280 x 480	270 x 240 x 480	860 x 235 x 185	270 x 280 x 480	350 x 340 x 750	350 x 280 x 480
Weight (kg)	18	22	39	14	32	25

Please note that APCs with different Maximum Pressures are available on request

## Pneumatic APC Ordering Information

The Pneumatic APCs require a compressed air supply and come fitted with an integrated Air Filter on the input Air Channel.

This ensures a good supply of clean, filtered air for the internal regulator(s).

	VJT2250-P	VJT2251-P	VJT2270-P
Max. Pressure	1000 kPa	2000 kPa	1000 kPa
No. of Pressure Outlets	1	1	2
Number of Transducer Inputs	2	2	2
Pressure Accuracy	0.15% FRO	5 kPa	0.15% FRO
Pressure Resolution	0.1 kPa		
PC Interface	USB or Ethernet		
Power Supply	DC Adaptor (Output 24VDC, Input 90-240V, 50/60Hz, 1ph)		
Dimensions (W x D x H)	270 x 245 x 240 mm	270 x 250 x 240 mm	270 x 245 x 240 mm
Weight (kg)	6.5	14	7

## Features of all Pro APCs

- USB or Ethernet Interface for PC control
- Integrated 7" Touchscreen Colour Display for Standalone use without PC Control if required
- On-board data logging with large data storage (up to 14 million records) using SD card (8GB standard)
- Data export to PC for manipulation within Excel
- High Speed ARM Processor
- Automatic Solenoid Valve socket (not Air APCs)
- Spare external Analogue socket (2 for Large Capacity, Dual Channel & Air APCs)
- High Speed sensor conversion (24 bit, up to 4000 samples/sec)
- Built-in live data table and graphs
- Auto reverse from limit switch activation
- Built-in auto protection for sensor limits
- Multiple APCs can be controlled from a single PC via a LAN or Ethernet/USB hub