



The *Assure* Range
Horizontal Switchgear

About RPS Switchgear

RPS Switchgear – the world’s premier manufacturer and supplier of high voltage electrical switchgear and electrical distribution solutions.



Over 40 years of ongoing product development experience.



RPS Switchgear equipment has an in service life of over 20 years. The ease of maintenance of this equipment is highly valued by operators around the world.



Simple modular robust construction.



Proven current sensing & vacuum interrupter technology provides peace of mind for operator safety.

RPS Switchgear equipment is manufactured in Petone, New Zealand and supplied to Australasia, Africa, Asia, the Middle East and the UK through local offices and agents.

RPS Switchgear comply with these international standards



RPS *Assure* Range Horizontal Switchgear



Quality Reliability Flexibility Safety

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RPS *Assure*

Horizontal Switchgear

RPS Switchgear's new *Assure* range of Horizontal Indoor Switchgear is fully type tested and certified to international IEC Standards. With an impressive internal arc rating of 31.5kA for 1 second A-FLR to IEC 62271, it will more than satisfy the most demanding of network owners' requirements.

With its industry leading narrow footprint, the 1250A panel is only 600 mm wide and the 2000A panel is 800 mm, and its flexible CT & VT specifications, the *Assure* range is suitable for any medium voltage application requiring safe and reliable, low maintenance operation, with long service life.



SMART GRID COMPATIBLE

With a full suite of safety features and the ability to automate operational functions the *Assure* range is SMART GRID ready and operator friendly.



Panel Ratings	T600	T800
Rated Normal Current (AmVoltage)		17.5 kV
Short Time Withstand Voltage		38 kV
Lightning Impulse Withstand Voltage – BIL		95 kV
Frequency		50 Hz
Bus-bars Normal Current		2000 A
Bus T-off Current	1250 A	2000 A
Short Circuit Withstand Current		31.5 kA, 3 s
Ingress protection rating		4X

RPS Assure VCB - HMVP

The cassette type HMVP Vacuum Circuit Breaker is a compact, highly modular, embedded pole design based on a small number of sub-assemblies, making it extremely serviceable in the field. At the heart of the VCB is the spiral spring driving mechanism, which is compact, highly modular, stable and reliable with a long operating life span.

The intelligent multifunction circuit-breaker control unit, the iEC, used in the VCB has very comprehensive protection functions including:

- Over-voltage
- Anti-pumping
- Controlled power supply time, which significantly improves the overall reliability of the circuit-breaker and operating life of its secondary control auxiliaries

Each functional module is independent from each other, easy to connect, assemble and convenient to maintain.

The VCB features full electronic operation as well as manual trip & close buttons and a built-in manual spring charge handle, for maintained circuit-breaker operation under all conditions.



VCB Ratings	1250 A	2000 A
Voltage	17.5 kV	
Short Time Withstand Voltage	38 kV	
Lightning Impulse Withstand Voltage – BIL	95 kV	
Frequency	50 Hz	
Rated normal current	1250 A	2000 A
Short Time Withstand Current	31.5 kA, 3 s	
Peak Withstand Current	80 kA	
Short Circuit Breaking Current	31.5 kA	
Percentage DC Component	40 %	
Isolated Cable Switching Current	31 A	
Mechanical Life	M2	

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