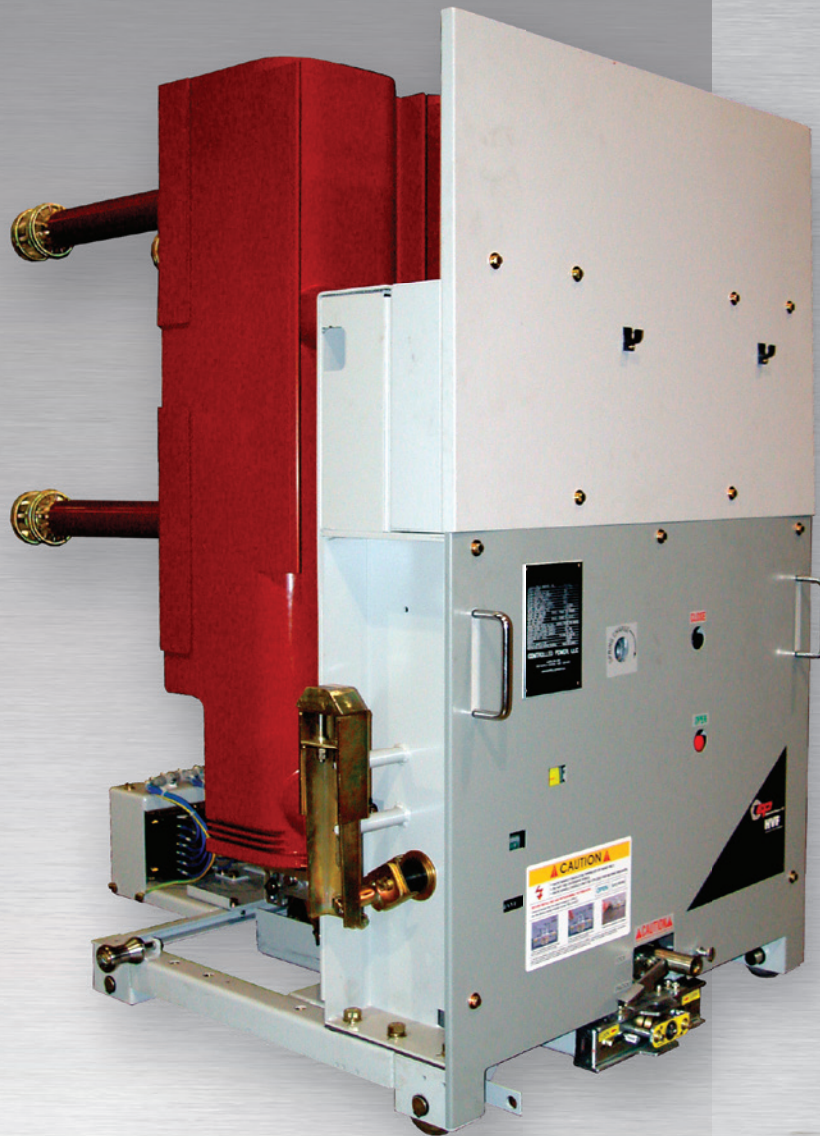


HVF 38

HVF 38kV Vacuum Circuit Breaker



 **MYERS**
Power Products, Inc.

Three Pole Drawout Units For Use In 38kV Switchgear For New or Retrofit Installation

Myers Power Products HVF series vacuum circuit breakers are offered in 1200A, 2000A, 2500A, and 3000A (fan cooled) continuous current. These breakers are designed and manufactured with advanced vacuum technology. They have been tested according to the latest version of ANSI standards in ISO 9001 facilities, and are continuously improved to meet the evolving demands of the market. Myers 38kV breakers are backed by nearly 40 years of switchgear manufacturing experience and have a long record of reliable performance for hundreds of utility, industrial, and transit customers.

38kV Circuit Breaker Retrofits

Myers Power Products can retrofit any of your existing Oil, Vacuum, SF-6, Air Magnetic, or Air Blast circuit breakers with our new modern Type HVF Vacuum Breaker and extend the life of your equipment. Call us today to learn more.

High Reliability, Long Life

- Robust design and rugged components increase durability and reduce maintenance
- Back-to-back capacitor switching of 90 MVAR (28kV), far exceeding of ANSI standards

Low Maintenance

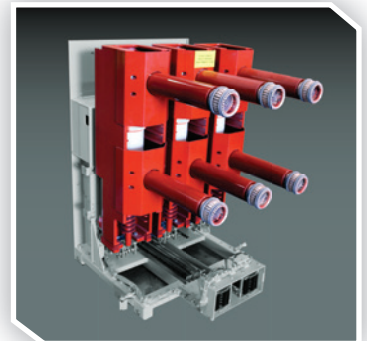
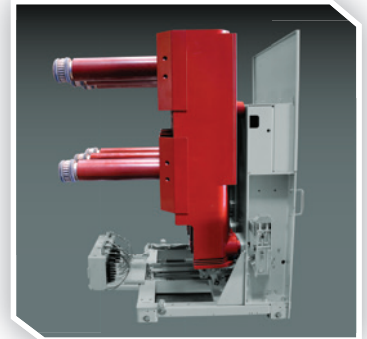
- 10 year lubrication interval
- 5 year routine inspection
- Service required only on parts subject to normal wear and aging

Circuit Breaker Features

- Offered in 31.5kA and 40kA interrupting ratings, allowing you to purchase only the capacity you need
- Self-aligning, self-coupling secondary disconnects ensure positive connection of relay circuits to circuit breaker trip coil
- Secondary disconnects are the most robust in the industry
- Heavy-duty utility grade contacts eliminate the need for manual connection of a plug and socket or umbilical cord
- Optional indicator shows breaker position when door is closed
- High speed option available

38kV Switchgear Features

- Compact 42 inch wide enclosure
- Enclosure accommodates drawout CPTs (up to 15kVA) and drawout PTs above circuit breaker, reducing lineup length
- Closed door racking available
- Remote trip/close available
- Electric remote racking device available
- Manual or electric ground and test device options

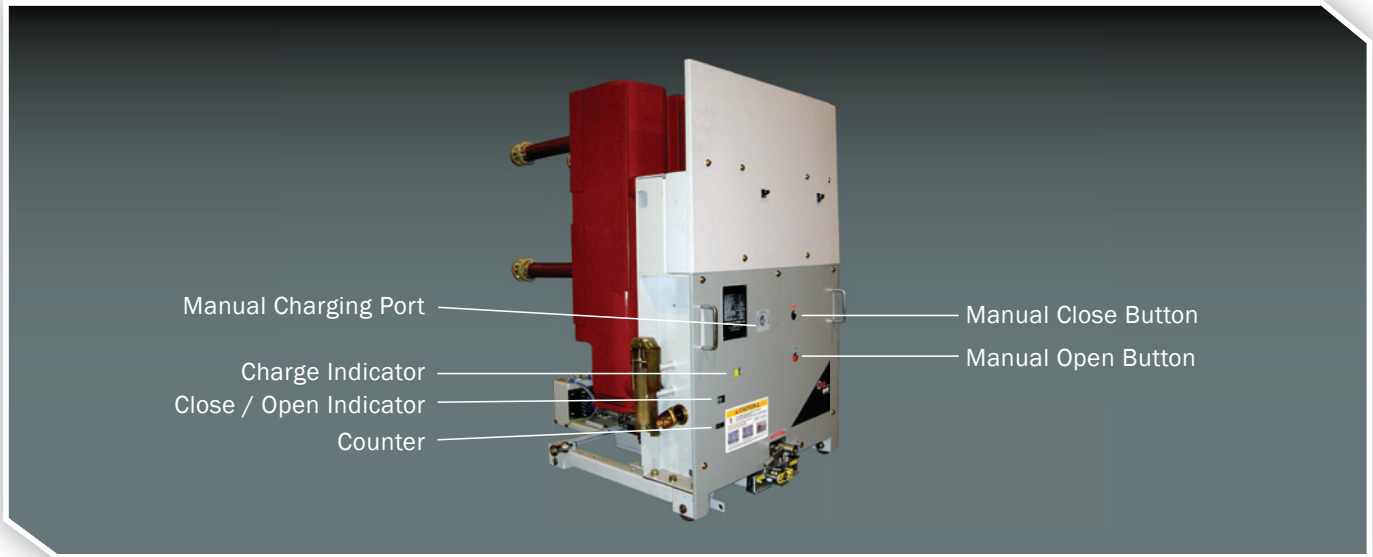


Ratings & Additional Products Description

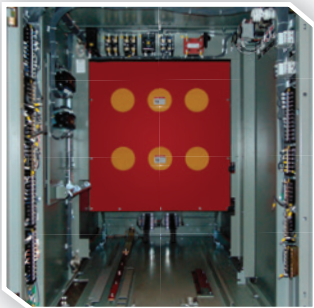
Type No. _____	HVF705
Application Standard _____	ANSI C37.06 / ANSI C37.09
Rated Voltage (kV) _____	38
Rated Current (A) _____	1200, 2000, 2500, 3000
Rated Interrupting Current (kA) _____	31.5 or 40
Rated Close & Latch (kA) _____	82 or 104
Frequency (Hz) _____	60
Rated Low Freq. Withstand (kV, RMS) _____	80
Impulse Withstand Vltg. (kV, BIL) _____	170
Breaking Time (cycles) _____	5 cycles with opt. three cycles available
Operating Duty _____	0-0.3s-CO-3min-CO
Operating Life at Rated Current (Times) _____	20,000
Closing Operation _____	Motor Spring Stored Energy
Operation system _____	DC 48, 110, 125, 220; AC 120, 220
Control Voltage _____	DC 48, 110, 125, 220; AC 120, 220
Closing & Tripping - Control Voltage _____	4NO + 4NC (Max. 10NO + 10NC)
Auxiliary Contacts _____	M1200A 750 / 2000A 800 / 2500A 850 / 3000A 850
Main Body Weight (Lbs.) _____	

All circuit breaker ratings are based on K = 1.0

Typical Breaker Elements



38Kv Cell Interior



- Self-aligning, self-coupling secondaries – no manual plug & socket connection required
- Grounded metal shutters
- Separate disconnect, test, and connected positions
- Full set of ANSI interlocks
- Rugged construction



- Drawout potential transformers can be mounted above a circuit breaker
- Drawout control power transformers (up to 15kVA) can be mounted above circuit breaker
- Space saving design reduces installation footprint

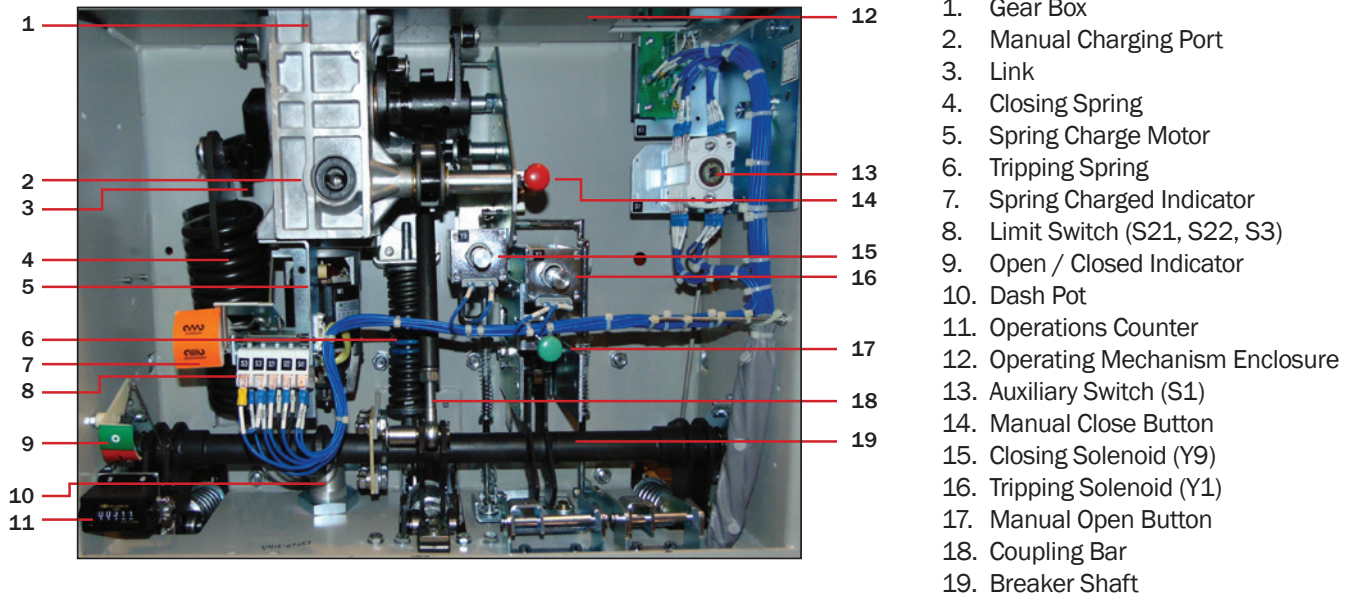
Current Consumption

Rated Voltage (V)	Current Consumption (A)		
	Motor	Closing Solenoid	Open Solenoid
48 DC	10.5	2.7	2.7
110 DC	4.5	1.3	1.3
125 DC	4.5	1.5	1.5
220 DC	2.3	0.65	0.65
120 AC	6.4	1.3	1.3

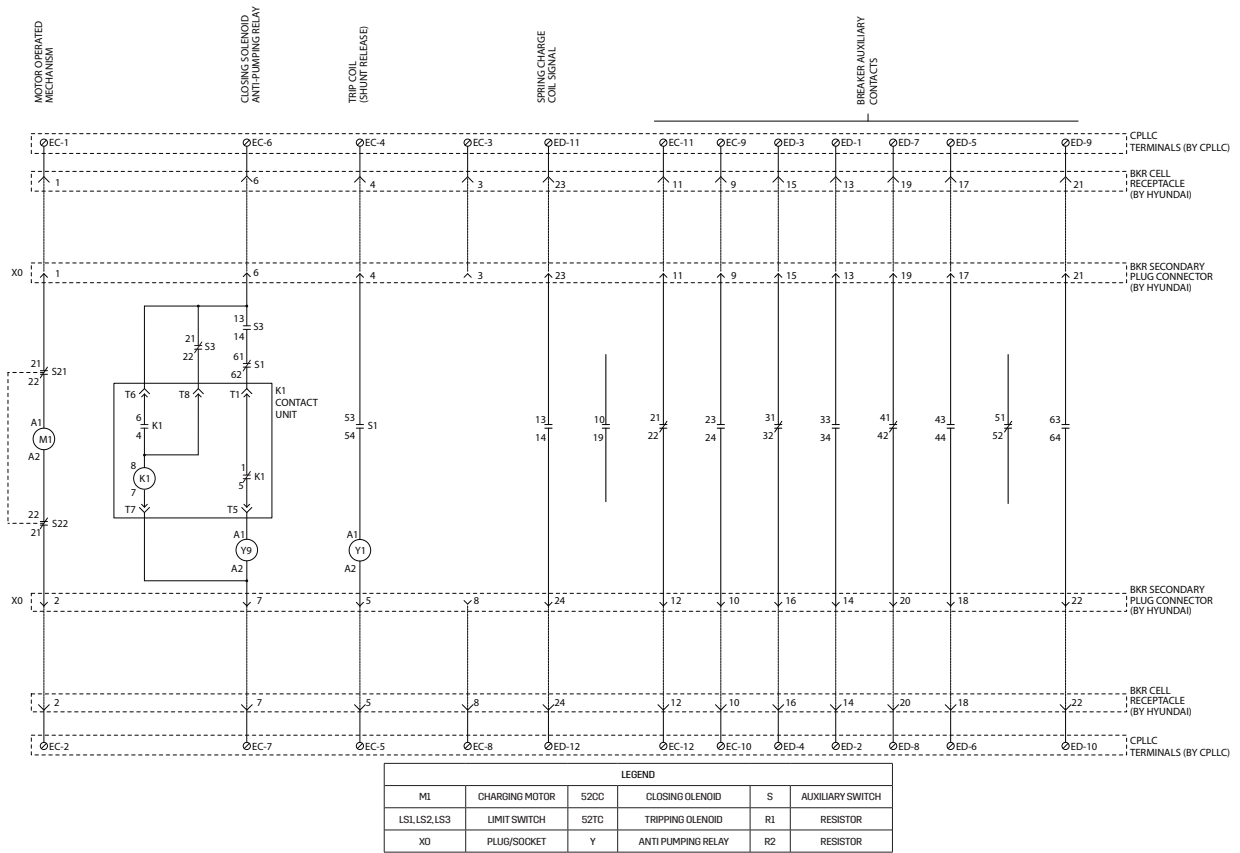
38Kv Switchgear Dimensions

Nominal Dimensions	
Width	42 inches
Height	110 inches
Depth	Indoor: 148 inches
	Outdoor, Non Walk In: 152 inches
	Outdoor Protected Aisle: 20 Feet
	Outdoor Common Aisle: 33 feet

Description of HVF Vacuum Circuit Breaker



Typical Circuit Diagram



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Specifications are subject to change without notice.