



TYPICAL APPLICATIONS

- Industry, Manufacturing and Infrastructure
- Coastal or Corrosive Environments
- Renewable Energy Systems
- Compact Substations

ACCESSORIES

- MV Bushings (Porcelain/Dead Front)
- LV Bushings (NEMA Spades)
- Off-Circuit Tap Changer
- Pressure Relief Valve
- Drain Valves, Filter Connection and Oil Sampling Devices
- Tank Grounding Device
- Wheels
- Lifting Lugs
- Oil Thermometer
- Oil Level Indicator
- Vacuum Pressure Gauge

OPTIONAL FEATURES

- MV/LV Bushings (Mounted on Cover or Side)
- MV/LV Protection Box (Front Flange for Busbar Connection or Top/Bottom Cable Entrance)
- Overcurrent or Overvoltage Protection
- Control Box
- Forced-Air Control Package
- N2 Preservation System
- Winding Temperature Indicator
- Pressure and Vacuum Valve
- Detachable Radiators w/ Valves
- Electrostatic Shield
- Double LV Winding
- Adaptation to Special Environments

GUARANTEE

- 1 Standard Year

GSP Power Solutions

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GAS CUSHION SEALED TRANSFORMERS

Technical Specifications

General Features	
Item	Specification
Applicable Standards	IEC 60076
Altitude	≤ 1000 m (3300 ft)
Max Ambient Temperature	40°C (104°F)
K-Factor*	1
Environment	Outdoor

Electrical Features	
Item	Specification
Number of Phases	3
Power Rating (kVA)	500 to 20000
MV Nominal Voltage (V)	≤ 69000
MV Taps (%)*	± 2 x 2.5
LV Nominal voltage (V)	≤ 34500
Frequency (Hz)	50/60
Vector Group*	Dyn1/Dyn11

*Other Configurations on Request

Construction Characteristics	
Item	Specification
Conservation System	Sealed Tank with Air Cushion
Insulating Liquid	Mineral Oil/Ester
Cooling Method	ONAN/KNAN
Oil Temperature Rise	60/85°C – 140/185°F
Winding Temperature Rise	65/85°C – 149/185°F
Corrosion Category	C4
Winding Material	Aluminum/Copper
Insulation Thermal Class	105/140°C – 221/284°F

