

CHALLENGER PRESSURE VESSEL



The Challenger™ Series pressure tanks are **maintenance-free** and designed for various applications, including booster systems, thermal expansion, and irrigation. Featuring a patented CAD-2 diaphragm for superior air and water separation, they ensure **long-lasting durability** and efficiency.

With a corrosion-resistant polypropylene liner, stainless steel water connection, and a **leak-free** sealed air valve, these tanks provide **reliable** performance. Their **high-quality** construction and rigorous testing make them a cost-effective choice for long-term use.

PRODUCT FEATURES



Patented CAD-2 diaphragm technology for efficient water separation



Condensation-reducing design for enhanced performance



Stainless steel water connection for durability



Virgin polypropylene liner for a non-corrosive water chamber



Two-part polyurethane, epoxy primed paint finish for corrosion resistance



Replaceable tank base for extended lifespan



Leak-free, O-ring sealed air valve cap for reliability



Comprehensive quality testing for guaranteed structural integrity

FEATURE	SPECIFICATION
TECHNOLOGY	Steel pressure tanks
DIAPHRAGM TECHNOLOGY	Patented CAD-2 controlled action diaphragm
MATERIAL	Carbon steel shell with polyurethane paint finish
MAXIMUM PRESSURE	8.6 - 10 bar (125 - 150 psi)
TEMPERATURE RANGE	-10°C to 90°C
FACTORY PRE-CHARGE	1.4 bar (20 psi)
WATER CONNECTION	1" - 1¼" BSPP/NPT
MAINTENANCE	Maintenance-free
CERTIFICATIONS	ISO 9001:2015

MODEL	VOLUME (L)	VOLUME (GAL)	CONNECTION	HEIGHT (MM)	DIAMETER (MM)	WEIGHT (KG)
GCB-60LV	60	15.8	1" BSPP/NPT	573	407	12.2
GCB-80LV	80	21.1	1" BSPP/NPT	765	407	15.3
GCB-100LV	100	26.4	1" BSPP/NPT	897	407	19.5
GCB-150LV	150	39.6	1" BSPP/NPT	933	590	24.8
GCB-200LV	200	52.8	1¼" BSPP/NPT	1056	533	38.6
GCB-300LV	300	79.2	1¼" BSPP/NPT	1245	682	52.3
GCB-450LV	450	118.9	1¼" BSPP/NPT	1551	662	80.7