

Brass Residual Pressure Valves

O-Ring Seal Technology for all Industrial and Medical Gases

HARRISON

PRECISION VALVE PRODUCTS

NGT Tapered Threads for Steel Cylinders

KEY FEATURES:

- Harrison VRP Series valves retain 30-50PSI pressure when valve is left open.
- Harrison VRP Series valves eliminate the expense of time consuming purge and clean cycles.
- Positive 30-50PSI pressure maintains the integrity of the cylinder contents against contaminants.
- Universal adapters for Harrison VRP series valves accommodate most major manufacturer's residual pressure valves.
- O-ring seal technology provides superior leak integrity.
- Lower plugs are designed specific for the gas service intended.
- Easy operation under all pressures.
- 100% leak testing on entire production.
- Meets and exceeds CGA V9 and ISO 10297 and ISO 15996 for residual pressure valves.
- Unitized plug with robust hex and threads insure easy installation.
- Most valves supplied with threaded inlet for siphon tubes.
- Oxygen valves passed stringent adiabatic oxygen compression testing per ISO standards.

DESIGN SPECIFICATIONS

Maximum Working Pressure	3000 PSIG	412 BAR
Burst Pressure	15,000 PSIG	1035 BAR
Operating Temperature	Min: -50F	-45C
	Max: 130F	55C
Storage Temperature	Min: -65F	-54C
	Max: 155F	68C
Minimum Cycle Life	5000 Cycles	

Harrison Filling Adaptors Ordering Information

Part Number	Description
AD-T00L	Locking Tool
AD320HT	Retractable Pin Nipple, CGA320
AD346HT	Retractable Pin Nipple, CGA346
AD350HT	Retractable Pin Nipple, CGA350
AD540HT	Retractable Pin Nipple, CGA540
AD580HT	Retractable Pin Nipple, CGA580
AD590HT	Retractable Pin Nipple, CGA590

Part Number	Gas Service	CGA	Outlet Thread	Inlet	Safety
VRP320-6-1-XXXX	Carbon Dioxide	320	.725-14NGO RH EXT	3/4"NGT	CG1
VRP346-6-1-XXXX	Breathing Air	346	.825-14NGO RH EXT	3/4"NGT	CG1
VRP350-6-5-XXXX	Hydrogen	350	.825-14NGO LH EXT	3/4"NGT	CG5
VRP540-6-1-XXXX	Oxygen	540	.903-14NGO RH EXT	3/4"NGT	CG1
VRP580-6-1-XXXX	Inert (Helium, Nitrogen, Argon)	580	.965-14NGO RH INT	3/4"NGT	CG1
VRP590-6-1-XXXX	Air, Sulphur Hex.	590	.965-14NGORH INT	3/4"NGT	CG1

The suffix "xxxx" denotes pressure relief device burst disc rupture pressure. Refer to the safety device ordering information chart for pressures available.
Fusible backed pressure relief devices in 212F nominal melting temperatures are standard with CGA350. Change the numeral in position 6 from a "1" to "5" for all valves other than CGA350 requiring 212F fusible metal safeties.

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