

V64H - Olympian Plus plug-in system **Pressure relief valves**

- > Port size: 1/4" ... 3/4" (ISO G/PTF)
- > Olympian relief valves protect compressed air systems from over-pressurisation
- > High relief capacity, sensitive and accurate

Technical features Medium:

Compressed air only **Operating pressure:** 17 bar (246 psi) maximum Outlet pressure adjustment range: (standard) 1 ... 10 bar (14 ... 145 psi) (optional) 0,4 ... 4 bar (5 ... 58 psi), 2 ... 16 bar (29 ... 232 psi)

> Threaded relief port for silencer or piped exhaust

> Norgren pressure relief valves comply with category O(S.E.P.) and category 1 of the **Pressure Equipment** Directive 97/23/EC



Port sizes:

1/4", 3/8", 1/2" or 3/4" Gauge port: 1/8 PTF with PTF main ports Rc1/8 with ISO G main ports **Relief port:** 1/2 PTF with PTF main ports G1/2 with ISO G main ports Standard compliances: NI 2G Ex h IIC T6 Gb II 2D Ex h IIIC T85° Db

Ambient/Media temperature:

-20° ... +80°C (-4° ... +176°F) Version with gauge: -20° ... +65°C (-4° ... +149°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body, bonnet & yoke: Zinc alloy Connection piece: Aluminium Bottom plug: Aluminium Adjusting screw: Steel Elastomers: NBR

Technical data, standard models

Symbol	Port size	Size	Outlet pressure adjustment range	Weight	Model
			(bar)	(kg)	
×	G1/4	_	110	1,68	V64H-2GD-RMN
	G3/8	_	110	1,66	V64H-3GD-RMN
	G1/2	Basic	110	1,63	V64H-4GD-RMN
()	G3/4	_	110	1,99	V64H-6GD-RMN
	Without yoke		110	1,20	V64H-NND-RMN

Option selector

Option selector	
ort size	Substitute
//4"	2
3/8"	3
3/4"	6
Without yoke	N
Thread	Substitute
PTF	Α
ISO G (standard) Without yoke (standard)	G N





Relief characteristics

Spring version: 10 bar, port size: 1/2"



Accessories





Service kit





Gauges

Center connec (full tec specific see dat 8.900.9	back tion, whi chnical cation tasheet 900)	ite face			
bar *1	MPa	psi	ø	Thread size	Model
04	00,4	0 58	50 mm	R1/8	18-015-011
0 10	01	0 145	50 mm	R1/8	18-015-013
0 25	0 2,5	0 362	50 mm	R1/8	18-015-014

*1) primary scale

Basic dimensions





Pressure range						
psig *1	bar	MPa	Ø	Thread size	Model	
0 60	04	00.4	2" (50 mm)	1/8 NPT	18-015-202	
0 160	0 11	0 1.1	2" (50 mm)	1/8 NPT	18-015-204	
0400	028	0 2.8	2" (50 mm)	1/8 NPT	18-015-206	
1) primo	ary scale	Э				

Dimensions in mm Projection/First angle





Minimum clearance required to remove unit from yoke
1 Main ports 1/4", 3/8", 1/2" or 3/4"
3 For main ports 3/4" only
6 Relief port 1/2"
7 Gauge port 1/8"

Single yoke with bracket mounting



Double yoke with bracket mounting





Rear entry bracket 18-026-981





Porting block 74507-50



Dimensions in mm Projection/First angle



3/2 Shut-off valve

Symbol	Α	В	øC	Model
	G1/4	48	27	T64T-2G*-P1N
	G3/8	48	27	T64T-3G*-P1N
	G1/2	48	27	T64T-4G*-P1N
	G3/4	51	33	T64T-6G*-P1N

* B = Threaded inlet only, C = Threaded outlet only



7 Padlock hole 7,5 mm

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.