P64S - Olympian Plus plug-in system
Soft start monitored dump valves

- Port size: 1/4" & 3/4" (ISO G/PTF)
- Olympian Plus plug in design or controlled increase of downstream pressure on start up
- The positively driven micro switch ensures a monitored dump function
- High forward flow and dump facility

Technical features

Medium:
Compressed air only

Operating pressure:
3 bar (43 psi) minimum
10 bar (145 psi) maximum
Snap pressure:
Full flow when downstream pressure reaches 35 ... 60% of inlet pressure

Charge time:
For 2 litre downstream volume and 6,3 bar (90 psi) inlet pressure
0,2 sec. minimum
75 sec. maximum

Flow:
See diagram on page 2

Port sizes:
1/4", 3/8", 1/2" or 3/4"

Exhaust port:
G1/2 with ISO G main ports
1/2" PTF with PTF main ports

Gauge Ports:
Rc1/8

Ambient/Media temperature:
0 ... +50°C (+32 ... +122°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Note: Soft start valves never shut off completely, and must be installed downstream of a directional control valve such as a Norgren Poppet or Lockout Valve.

Materials:
Body: Zinc alloy
Intermediate body: Aluminium
Filter discs: Sintered plastic
Internal components:
Brass; steel or stainless steel
Top plate: Aluminium
Exhaust Bonnet: Zinc alloy
Yoke: Zinc alloy
Elastomers: NBR

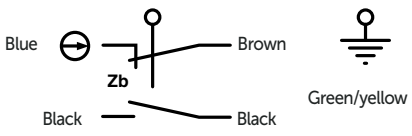
Electrical details for solenoid operators

Voltage tolerance	± 10%
Rating	100% continuous duty
Inlet orifice	1,0 mm
Electrical connection	Industrial Standard, 22 mm
Solenoid coil mounting	Four positions x 90°
Protection class	IP 65 (with sealed plug)

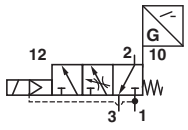
Electrical details for monitoring switch

Voltage	240 V a.c.
Current	1,5 A
Connection cable	Harmonised CENELEC 5 x 0,75 mm2
Cable length	2 m
Protection class	IP 66

Switch details
All electrical connections to be made by a competent licensed electrician
Break - before – Make contact
Normally Open/Normally Closed



Technical data - standard models

Symbol	Port size	Size	Actuation/return	Voltage	Weight (kg)	Typ *1)
	G1/4	–	Solenoid/spring	24 V d.c.	~ 2,3	P64S-2GC-N1N
	G3/8	–	Solenoid/spring	24 V d.c.	~ 2,3	P64S-3GC-N1N
	G1/2	Basic	Solenoid/spring	24 V d.c.	~ 2,3	P64S-4GC-N1N
	G3/4	–	Solenoid/spring	24 V d.c.	~ 2,3	P64S-6GC-N1N
	Without yoke		Solenoid/spring	24 V d.c.	~ 1,8	P64S-NNC-N1N

*1) Units with PTF threads on main port therefore substitute 'G' at the 7th digit changed into 'A'

Voltage codes and spare coils

22 mm coil for connector interface acc. to industrial standard

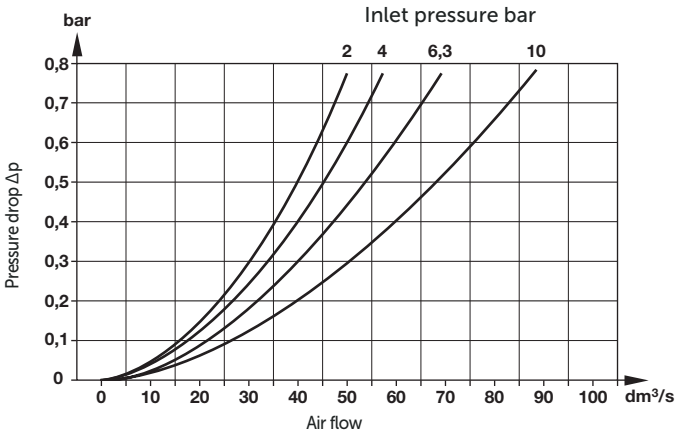
	Voltage	Power Inrush/Hold	Model	Code
	24 V d.c	2 W	QM/48/13J/21	13J

Connector plugs

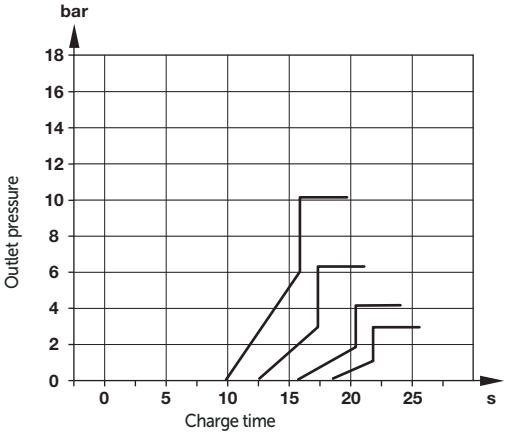
Industrial standard
22 mm 2-pole + PE

0657868

Flow characteristics



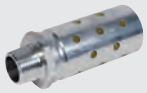
Maximum charge time



Accessories

Thread	Models with G-thread Single yoke	Double yoke	3/2 Shut-off valve Threaded inlet only	Threaded outlet only	End connector kit	Rear entry bracket kit
						
G1/4	Y64A-2GA-N1N	Y64A-2GA-N2N	T64T-2GB-P1N	T64T-2GC-P1N	–	–
G3/8	Y64A-3GA-N1N	Y64A-3GA-N2N	T64T-3GB-P1N	T64T-3GC-P1N	–	–
G1/2	Y64A-4GA-N1N	Y64A-4GA-N2N	T64T-4GB-P1N	T64T-4GC-P1N	74505-50	–
G3/4	Y64A-6GA-N1N*	Y64A-6GA-N2N*	T64T-6GB-P1N	T64T-6GC-P1N	74505-53	18-026-981
1/4 PTF	Y64A-2AA-N1N	Y64A-2AA-N2N	T64T-2AB-P1N	T64T-2AC-P1N	–	–
3/8 PTF	Y64A-3AA-N1N	Y64A-3AA-N2N	T64T-3AB-P1N	T64T-3AC-P1N	–	–
1/2 PTF	Y64A-4AA-N1N	Y64A-4AA-N2N	T64T-4AB-P1N	T64T-4AC-P1N	74505-52	–
3/4 PTF	Y64A-6AA-N1N*	Y64A-6AA-N2N*	T64T-6AB-P1N	T64T-6AC-P1N	74505-55	–

*These yokes are supplied with two end connenctor kits as standard.

Bracket mounting	Nut	Silencer	Yoke connector kit	Porting block	Adjustable pressure switch	Padlock with two keys
						
74504-50	74502-89	MB004B (R1/2)	74503-51	74507-50	4346-99	0613633 (brass)
		MB004A (1/2 NPT)				

Gauges

Center back connection, white face (full technical specification see datasheet 8.900.900)

Pressure range bar *1	MPa	psi	Ø	Thread size	Model
0 ... 10	0 ... 1	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

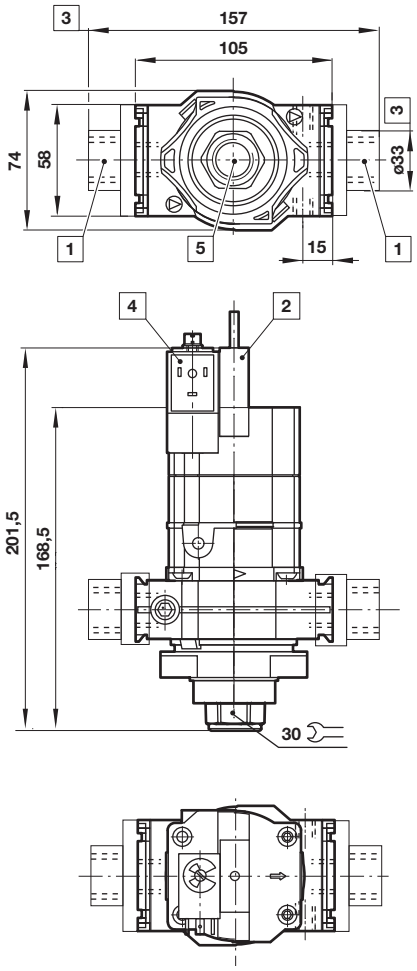
Center back connection, black face for North America (full technical specification see datasheet 8.900.900)

Pressure range psig *1	bar	MPa	Ø	Thread size	Model
0 ... 160	0 ... 11	0 ... 1.1	2" (50 mm)	1/8 NPT	18-015-204
0 ... 400	0 ... 28	0 ... 2.8	2" (50 mm)	1/8 NPT	18-015-206

*1) primary scale

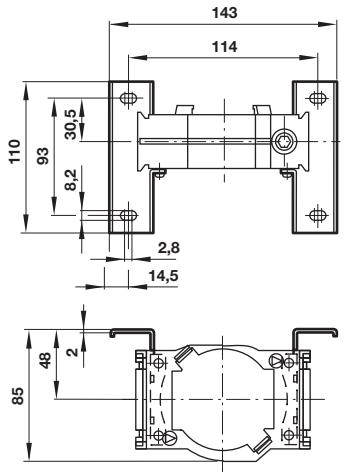
Basic dimensions

Dimensions in mm
Projection/First angle

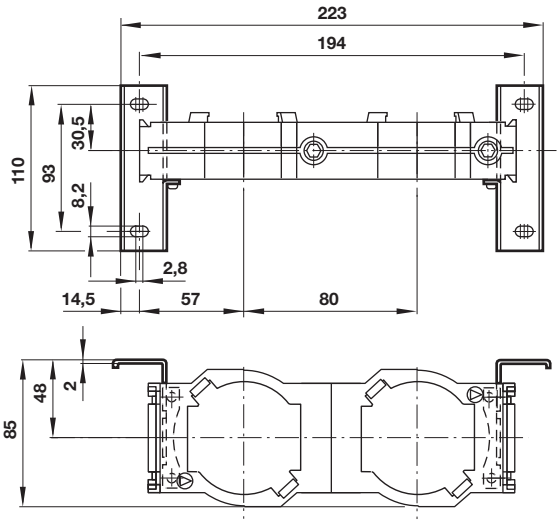


1 Main ports 1/4", 3/8", 1/2" or 3/4"
2 Monitored switch
3 For main ports 3/4" only
4 Solenoid
5 Exhaust port 1/2"

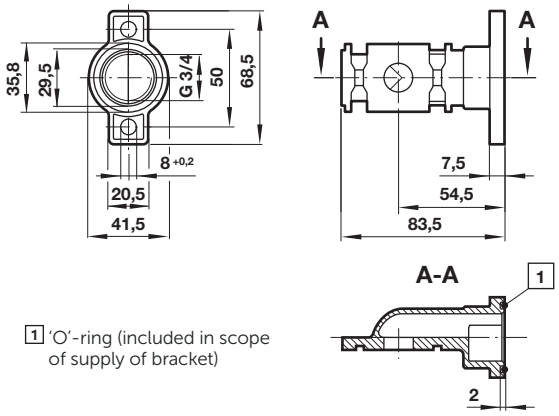
Single yoke with bracket mounting



Double yoke with bracket mounting



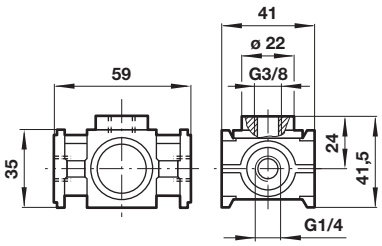
Rear entry bracket
18-026-981



1 'O'-ring (included in scope of supply of bracket)

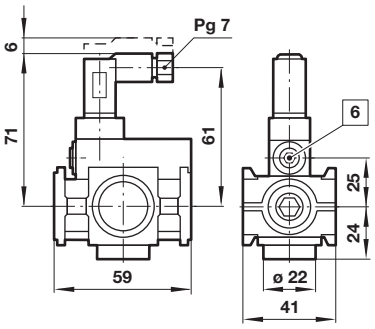
Porting block
74507-50

Dimensions in mm
Projection/First angle



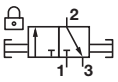
Adjustable pressure switch
4346-99

Voltage	24 V d.c./240 V a.c.
Current	0,5 A (d.c.); 5 A (a.c.)
Pressure range	2 ... 10 bar
Repeatabillity	2% of full set point range at 20°C
Average deadband	0,8 ... 1,7 bar
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form C, 15 mm
Degee of protection:	IP65
Adjustable	Standard
Material	Body: Aluminium, Elastomers: NBR

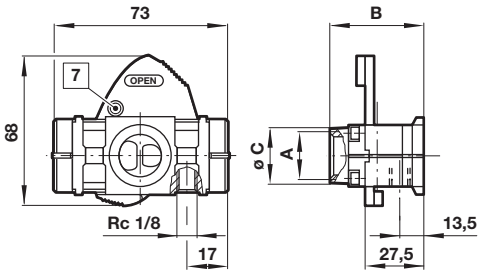


6 Adjusting screw

3/2 Shut-off valve

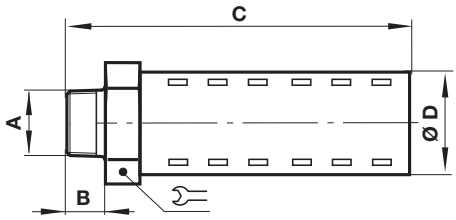
Symbol	A	B	ø C	Model
	G1/4	48	27	T64T-2G*-P1N
	G3/8	48	27	T64T-3G*-P1N
	G1/2	48	27	T64T-4G*-P1N
	G3/4	51	33	T64T-6G*-P1N

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



7 Padlock hole ø7,5 mm

Silencer



A	B	C	D		Model
R1/2	17	92	32	32	MB004B
1/2 NPT	17	92	32	32	MB004A

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 Norgren.

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.