

- Detects stoppage of a cylinder due to a pressure drop in the exhaust chamber
- For direct mounting to cylinders
- Choice of pneumatic, electrical or electronic output
- Wide range of sizes



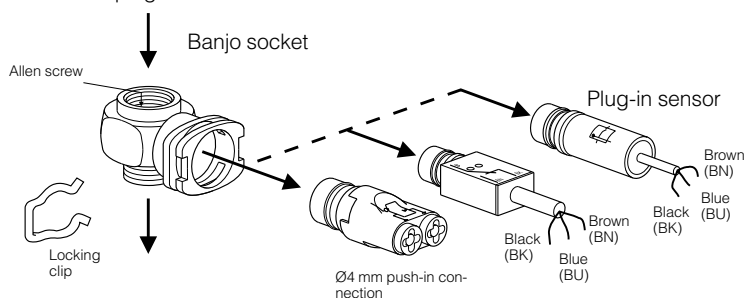
**Operating information**

Operating pressure:	0 to 10 bar
Permissible fluids:	Air or neutral gas 50micron or filtration, lubricated or not
Operating temperature:	-15°C to +60°C
Storage temperature:	-40°C to +70°C
No. of operations with dry air at 6 bar 20°C 1 Hz:	10 million
Maximum operating frequency:	10 Hz
Output characteristics:	Pneumatic: Flow at 6 bar 90l/mn Electrical: C/contact 2,5A/250V AC, 5W 48V DC Electronic: PNP N/C or N/O 10 to 30V 75 mA DC
Maximum connecting torque:	M5 = 1Nm; 1/8 = 8Nm; 1/4 = 12Nm; 3/8 = 30Nm; 1/2 = 35Nm
Body material:	Thermo plastic
Connection thread:	Brass

**Dimensions and piloting pressures next page**

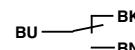
**Assembly**

All back pressure sensors are a combination of two distinct parts: a banjo socket + a plug-in sensor.



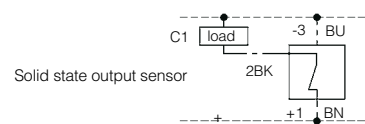
**Connection**

Output signal connection

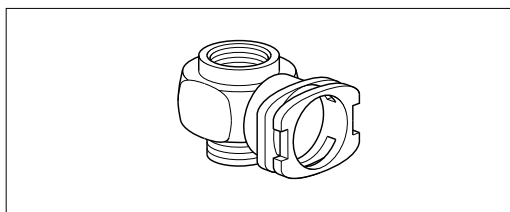


Pneumatic output sensor: Ø4 mm push-in

Electric output sensor

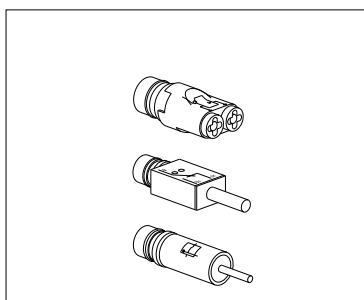


**Banjo Sockets**



Thread Size for Cylinder Port	Female Thread	Tool Required	Weight Kg	Order code
M5	M5	8mm flat spanner	0,04	<b>PWS-B155</b>
G1/8	G1/8	5mm Allen key	0,04	<b>PWS-B188</b>
G1/4	G1/4	8mm Allen key	0,05	<b>PWS-B199</b>
G3/8	G3/8	10mm Allen key	0,07	<b>PWS-B133</b>
G1/2	G1/2	12mm Allen key	0,11	<b>PWS-B122</b>

**Plug-in Sensors**



Sensing function	Output function	Output Connection	Output characteristics	Weight kg	Order code
Exhaust back pressure decay	Pneumatic	Push-in Ø4mm	NO valve flow rate at 6 bar 90 l/mn	0,09	<b>PWS-P111</b>
	Electrical ~Ve = 3A	3 wires 0,5mm <sup>2</sup> length 2m	CO contact 12 to 230V ~ / 10VA* 12 to 48 VDC/5W*	0,08	<b>PWS-M1012</b>
	Solid state	3 wires 0,1mm <sup>2</sup> length 2m	PNP type NC	0,07	<b>PWS-E101</b>
			10/30VDC** 75 mA, NO	0,07	<b>PWS-E111</b>

\* Suitable for low currents : 250 V ~ / 4 mA ; 24 VDC / 10 mA \*\* Including ripple

- Detects stoppage of a cylinder due to a pressure drop in the exhaust chamber
- Single unit design
- For direct mounting to cylinders
- Pneumatic output
- Wide range of sizes

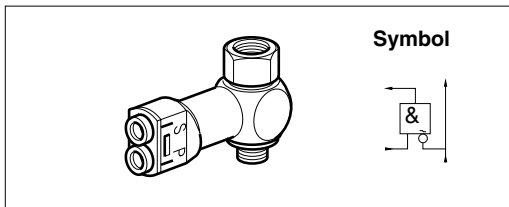


**Operating information**

Operating pressure:	0 to 10 bar
Permissible fluids:	Air or neutral gas 50micron or filtration, lubricated or not
Operating temperature:	-15°C to +70°C
Storage temperature:	-20°C to +70°C
No. of operations with dry air at 6 bar 20°C 1 Hz:	10 million
Maximum operating frequency:	1 Hz
Output characteristics:	Flow @ 6 bar 90l/m
Maximum connecting torque:	M5 = 1Nm; 1/8 = 8Nm; 1/4 = 12Nm; 3/8 = 30Nm; 1/2 = 35Nm
Body material:	Zinc alloy / Thermo plastic
Connection thread:	Brass

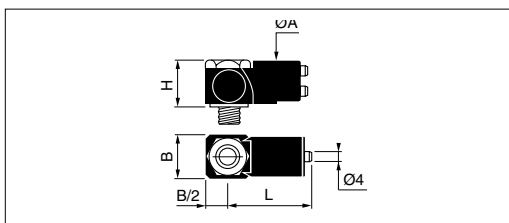
Plug-in & Monoblock back pressure sensors	Pilot	Depilot
	operating pressure	operating pressure
<b>PWS-P111</b>	6bar	6bar
<b>PWS-M1012</b>	4,4	0,4
<b>PWS-E101 &amp; E111</b>	1,5	0,6
<b>PWS-C</b>	1,5	0,6
	1,6 ±0,2	0,3

**Back Pressure Sensor for Cylinder Mounting**



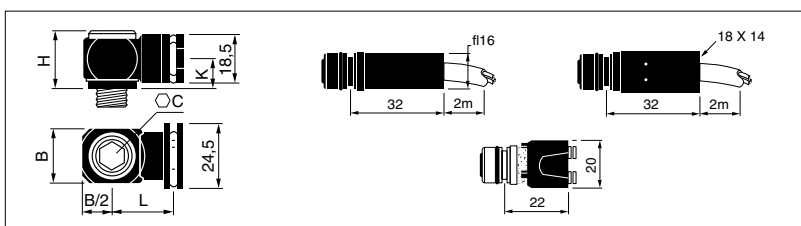
Thread Cylinder Port	Thread Supply Port	Bore Ømm	Weight kg	Order code
M5	M5	2	0,10	<b>PWS-C5145</b>
G1/8	G1/8	5	0,11	<b>PWS-C5148</b>
G1/4	G1/4	7	0,10	<b>PWS-C5149</b>
G3/8	G3/8	10	0,17	<b>PWS-C5143</b>
G1/2	G1/2	14	0,15	<b>PWS-C5142</b>

**Back Pressure Sensors - Mono block - Dimensions**



Order code	ØA	B	H	L
<b>PWS-CS145</b>	19	11,0	16,0	42
<b>PWS-CS148</b>	22	16,5	29,0	40
<b>PWS-CS149</b>	22	23,5	26,0	43
<b>PWS-CS143</b>	22	23,5	36,5	43
<b>PWS-CS142</b>	22	32,0	29,5	48

**Back Pressure Sensors - Modular - Dimensions**



Order code	C	B	H	K	L
<b>PWS-B155</b>	8	11	16,5	10	17
<b>PWS-B188</b>	5	16	20,0	10	20
<b>PWS-B199</b>	8	21	20,0	10	22
<b>PWS-B133</b>	10	28	22,0	12	25
<b>PWS-B122</b>	12	33	26,0	14	26