



## Sender and Receiver Element Series 2L

### Mod. 2LB-SE (Sender)

### Mod. 2LB-SR (Receiver)

Both the sender and receiver should be supplied with filtered, non-lubricated compressed air. The sender requires a supply pressure of 0.3 - 2 bar. In the case of the receiver (max 8.7 psi), this is done in order to prevent the danger of contamination. The air jet from the sender interrupts the free outflow of the air jet at the receiver. A back pressure is produced which generates a control pressure at outlet A of the receiver. This pressure signal is typically sent to an amplifier valve. If an object breaks the air jet between the sender and the receiver, the signal drops to zero.

The air signal from the receiver element (2LB-SR) will typically become the input pilot signal to the amplifier valve (2LA-AM). Receiver element (2LB-SR) will typically connect its port 2 (or "A"), to the amplifier valve pilot port 12.



#### TECHNICAL SPECIFICATIONS

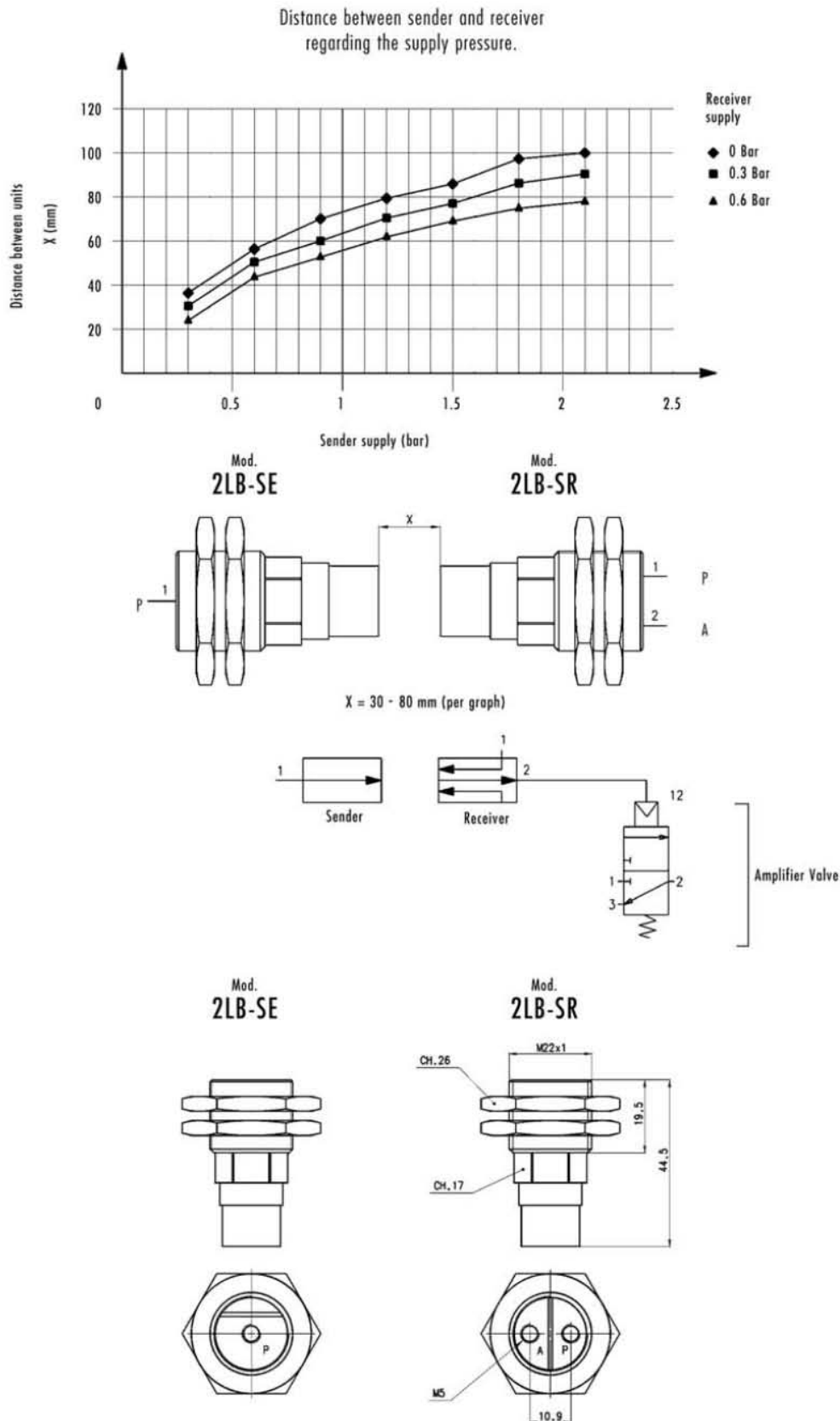
Materials	Anodized - brass
Construction	nozzle without moving parts
Mounting	M22 x 1 threaded body with bulkhead nuts
Installation diameter	22.5 mm
Mounting brackets	B 20-25 (Foot), E 20-25 (Flange)
Ports	M5 (10 - 32 UNF)

#### PNEUMATIC DATA

Pressure	Sender (2LB-SE): (4.35 - 29 psi) min. 0.3 bar - max. 2 bar
Conditions of functioning	Receiver (2LB-SR): (.6 bar max), 8.7 psi max. PSR ≤ PSE (receiver's pressure is less or equal to sender's pressure)
Air consumption	P (2 bar) @ 45 NL/min; P (29 psi) = 1.59 SCFM
Max. distance between sender and receiver	see graph
Temperature	-20°C + 80°C; (-4° - 175° F)
Fluid	filtered air, without lubricant

**3****AIR PILOT VALVES**

Sender and receiver element Mod. 2LB...



Sender

Mod.

**2LB - SE**

Receiver

Mod.

**2LB - SR**