ASCO Numatics™
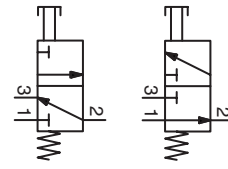
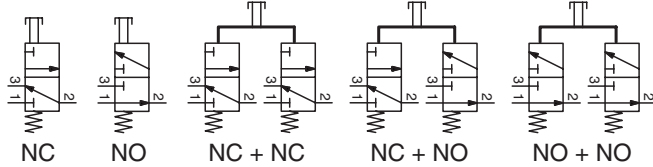# MANUALLY OPERATED PILOT VALVE
for panel mounting Ø 22
instant fittings for Ø 4 mm O.D. tube or G 1/8

FEATURES
- *Microvalve composed of an operating head, an adaptor, an intermediary subbase and one or two pneumatic modules.*
- *Modules allowing the following combination of functions:*

| NC | NO | NC + NC | NC + NO | NO + NO |

- *Adaption of metal or plastic buttons designed to meet the highest quality standards.*
- *Secure and robust fastening of the button on the microvalve.*

GENERAL
Fluid	Air filtered, lubricated or no
Ports	Instant fittings Ø 4 O.D. or G 1/8
Operating pressure	0 to 8 bar
Ambient temperature	-5°C to +60°C
Operators	Manual
Flow (Qv at 6 bar)	112 l/min (ANR)
Nominal diameter	2 mm

CONSTRUCTION
Popet valve construction	Internal parts in stainless steel and elastomer
Body diecast	Exhaust port not tapped

SPECIFICATIONS - METAL operating head and adaptator

		pilot valve	operating head	adaptator		intermediary subbase + pneumatic(s) module(s)		
		or =	+	+		or		
designation	**type**	**color**	**cat. number**	**cat. number**	**connect.**	**cat. number**		**cat. number**
flush push button	impulse	black	**88130757**					
		green	**88130758**					
		red	**88130759**					
mushroom* button Ø 40	push-turn	red	**88130770**					
	push-pull	red	**88130752**					
	impulse	red	**88130762**		Ø 4 mm O.D.	NC **30701009**	NC+NC	**30701011**
		black	**88130763**					
Ø 60	impulse	black	**88130772**	**88130754** +		NO **30701010**	NC+NO	**30701012**
switch button	2 positions fixed	black	**88130771**					
key operated button	key removal at 0 and 1	black	**88130761**		G1/8	NC **30701013**	NC+NC	**30701015**
lever switch button	2 positions fixed 0 1	black	**88130760**			NO **30701014**	NC+NO	**30701016**
	3 positions fixed 1 0 2	black	**88130767**					
	3 positions self centring 1 0 2	black	**88130766**					

*These componants are not security mechanism

Order example :
1 pilot valve, instant fittings ports, with impulse black flush push button, NC :
1x **88130757** + *1x* **88130754** + *1x* **30701009**

All leaflets are available on: **www.asco.com**

Manually & Mechanically operated valves (3/2) - 1

SPECIFICATIONS - PLASTIC operating head and adaptator

		pilot valve	operating head	adaptator		intermediary subbase + pneumatic module(s)			

or = + + or

designation		type	color	cat. number	cat. number		connect.	cat. number		cat. number	
flush push button		impulse	black	88130745							
			green	88130744							
			red	88130743							
mushroom* button Ø 40		push-turn	red	88130740							
		impulse	red	88130741			Ø 4 mm O.D.	NC	30701009	NC+NC	30701011
			black	88130742							
Ø 60		impulse	black	88130748				NO	30701010	NC+NO	30701012
switch button		2 positions fixed	black	88130739	88130753	+					
key operated button		key removal at 0 and 1	black	88130738			G1/8	NC	30701013	NC+NC	30701015
lever switch button		2 positions fixed	black	88130737				NO	30701014	NC+NO	30701016
		3 positions fixed	black	88130736							
		3 positions self centring	black	88130735							

*These components are not security mechanism

Order example:
1 pilot valve, connection G 1/8, with impulse red flush push button, NC+NC :
1x **88130743** + *1x* **88130753** + *1x* **30701015**

OPERATION OF 3 POSITION SWITCHES

type		operation on module	
		left	right
3 positions fixed		not operated	not operated
		not operated	operated
		operated	not operated
3 positions self centring		not operated	not operated
		not operated	operated
		operated	not operated

left   right

SEPARATED PNEUMATIC MODULES

connection	function	cat. number
instant fittings Ø 4 mm O.D.	NC	30701001
	NO	30701002
tapped G 1/8	NC	30701005
	NO	30701006

INTERMEDIARY SUBBASE

	cat. number
	88130775

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2 - Manually & Mechanically operated valves (3/2)

DIMENSIONS

Ø 29
10

Ø 40
Ø 60
33

Ø 29
30

Ø 29
55

Ø 29
27

24

1 → 6 mm

55
Ø A
Ø A
Ø A
Ø A
Ø A

Ø A = drilling Ø 22,3 mm

PANEL DRILLING

> 40 for button Ø 40
> 60 for button Ø 60

35

45

> 60 for button Ø 60

Ø 22,3 $^{+0,4}_{-0}$

1 → 6 mm

30

40
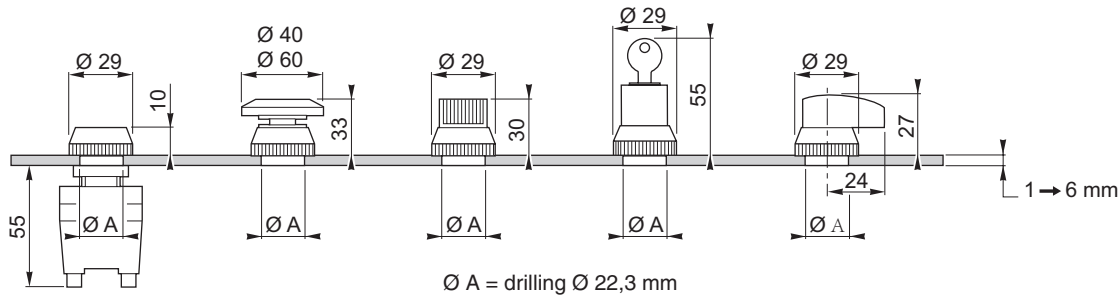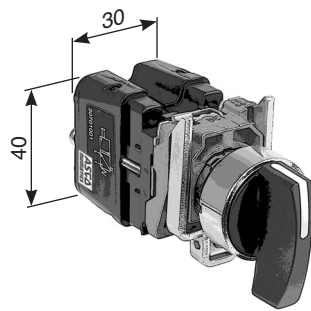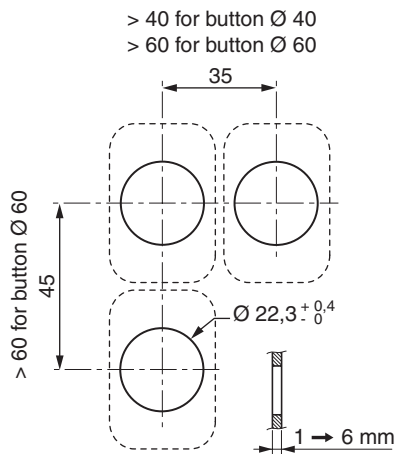
REDUCING ADAPTER
Ø 30 → Ø 22 mm

	cat. number
	88130755

Ø 22
Ø 30

MOUNTING

operating head
adaptator
pneumatics modules
intermediary subbase
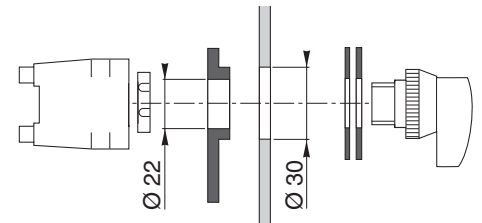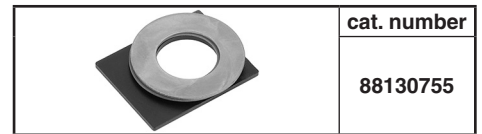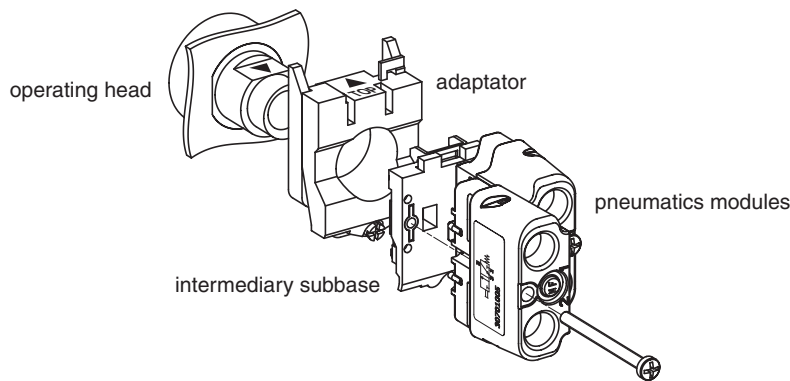
metal operating head	**plastic operating head**
➜ ❶ ❷ ❸ ◄ mounting	➜ ❶ ❷ ❸ ◄ mounting
◁ ④ ⑤ ⑥ ▷ dismantling	◁ ④ ⑤ ▷ dismantling

❶ ❷ ❺ ❻
0,8 Nm max. ❸ ④

❶ ❷ ❸ ④ ⑤
2 Nm max. ❷