

The logo for PNEUFLUID, consisting of a circular icon with a stylized 'X' inside, followed by the word 'PNEUFLUID' in a bold, sans-serif font.

Manuale utente

# MANUALE UTENTE

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## PRINCIPALI CARATTERISTICHE DI PNEUFLUID

PNEUFLUID è un software web-based gratuito per la progettazione di schemi pneumatici. Le sue principali caratteristiche sono:

- I browser supportati sono Google Chrome e Microsoft Edge e non è richiesta alcuna installazione o download
- Selezione rapida di simboli pneumatici conformi alla norma ISO 1219 navigando una libreria organizzata come il catalogo PNEUMAX
- Integrazione con un database prodotti strutturato: i codici articolo PNEUMAX sono archiviati con le relative caratteristiche tecniche salienti e associati ai rispettivi simboli pneumatici
- Procedura guidata di configurazione del codice prodotto in base alle specifiche tecniche richieste
- Creazione del codice completo degli attuatori inclusivo del valore della corsa desiderata
- Visualizzazione delle principali caratteristiche dei componenti per il trattamento dell'aria, come il campo di pressione, il grado di filtrazione e la capacità della tazza
- Simboli per l'assemblaggio di gruppi modulari quali batterie di valvole e gruppi di trattamento dell'aria
- Schemi multipagina con cartiglio modificabile
- Esportazione del disegno in formato pdf/dxf
- Creazione ed esportazione in formato csv della distinta base

Selezione del simbolo pneumatico

Simboli di rinvio ad altra pagina

Inserimento di testo libero

Foglio di lavoro attivo

Entità di disegno utilizzate nel foglio di lavoro attivo

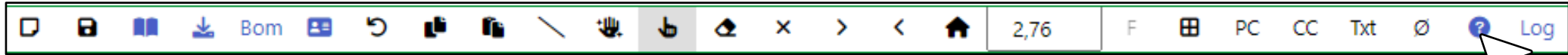
The screenshot shows the PNEUFLUID software interface. At the top, there is a toolbar with various icons for file operations and editing. Below the toolbar is a sidebar with several sections: a '+Add item' button, 'Free text' input, a 'Sheet:' section with tabs 1-5, and a 'Drawing entities:' list. The main workspace displays a complex pneumatic circuit diagram with various components like valves, cylinders, and filters. A detailed view of a filter (KH1) is shown in the bottom left. At the bottom right, there is a technical drawing header table.

DRAWN BY	DATE	CHECKED BY	DATE	Property of Pneumax S.p.A.	A3	SCALE	SHEET
A. Rossi	01/02/2023	M. Bianchi	05/02/2023			1:1	1
Pneumax S.p.A.		MACHINE MODEL		MOUNTING LOCATION		PROJECT NAME	
Via Cesare Beccaria 8 24090 Luino (BS)		K-345		Left side		Nice day	
		DESCRIPTION		DRAWING NUMBER			
		Testing machine #1		1			

Pulsanti di comando

Online help

Invio di debug log



Download the [user manual](#).

### Menu buttons

- New document
- Save document to local storage
- Open last saved document
- Download file in pdf/dxf/pxn formats
- Bom** Generate bill of materials
- Edit title block
- Undo
- Copy selection
- Paste selection
- Toggle grid
- Insert new tubing
- Use multiple selection window
- Use single click selection
- Delete selection
- Reset selection
- Next symbol variant (rotation, mirroring)
- Previous symbol variant (rotation, mirroring)
- F** Freeze components
- PC** Hide/show product code
- CC** Hide/show class code
- Txt** Hide/show user notes
- Hide/show tubing data

### Mouse controls

**Right button+drag:** pan  
**Mouse wheel:** zoom in/zoom out  
**Left button:** select items

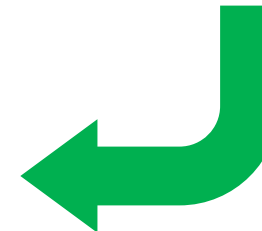
### Keyboards shortcuts

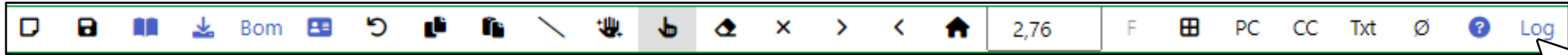
**ESC:** reset current selection  
**Ctrl+C:** copy selection  
**Ctrl+P:** paste selection  
**Ctrl+Z:** undo last operations

### Supported browsers

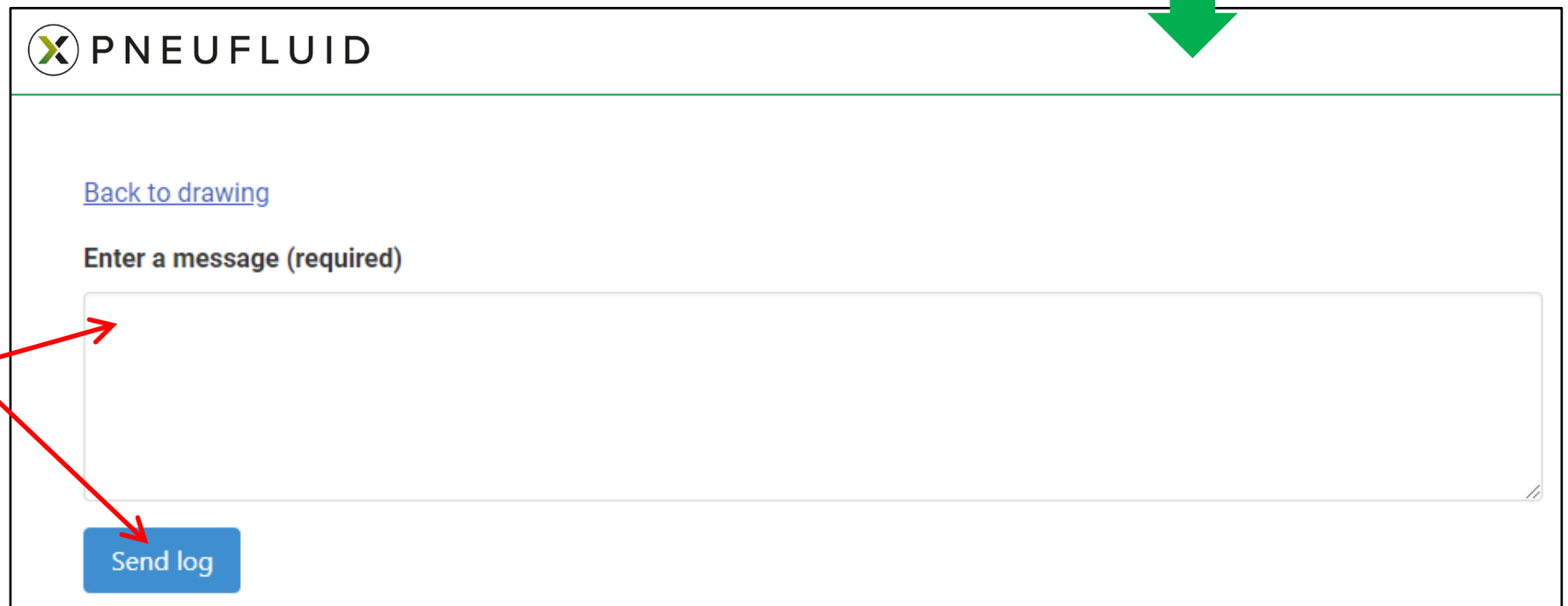
Google Chrome  
Microsoft Edge

Clic sul pulsante *Online help* per visualizzare l'elenco dei comandi disponibili

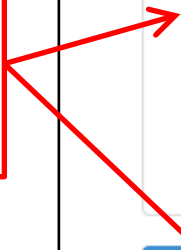


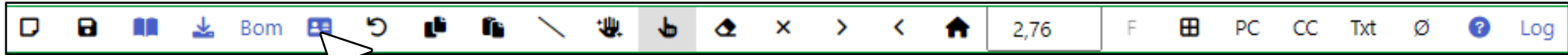


1. Clic sul pulsante *Send debug log*



2. Scrivere un messaggio e inviare un debug log inerente al disegno attivo al Supporto Pneufluid





Clic qui per selezionare il formato tavola e inserire i dati nel cartiglio

**DRAWING FORMAT AND DATA**

Sheet format: Template\_A3\_PNX | Scale: 1:1

Drawing number: 1 | Description: Testing machine #1

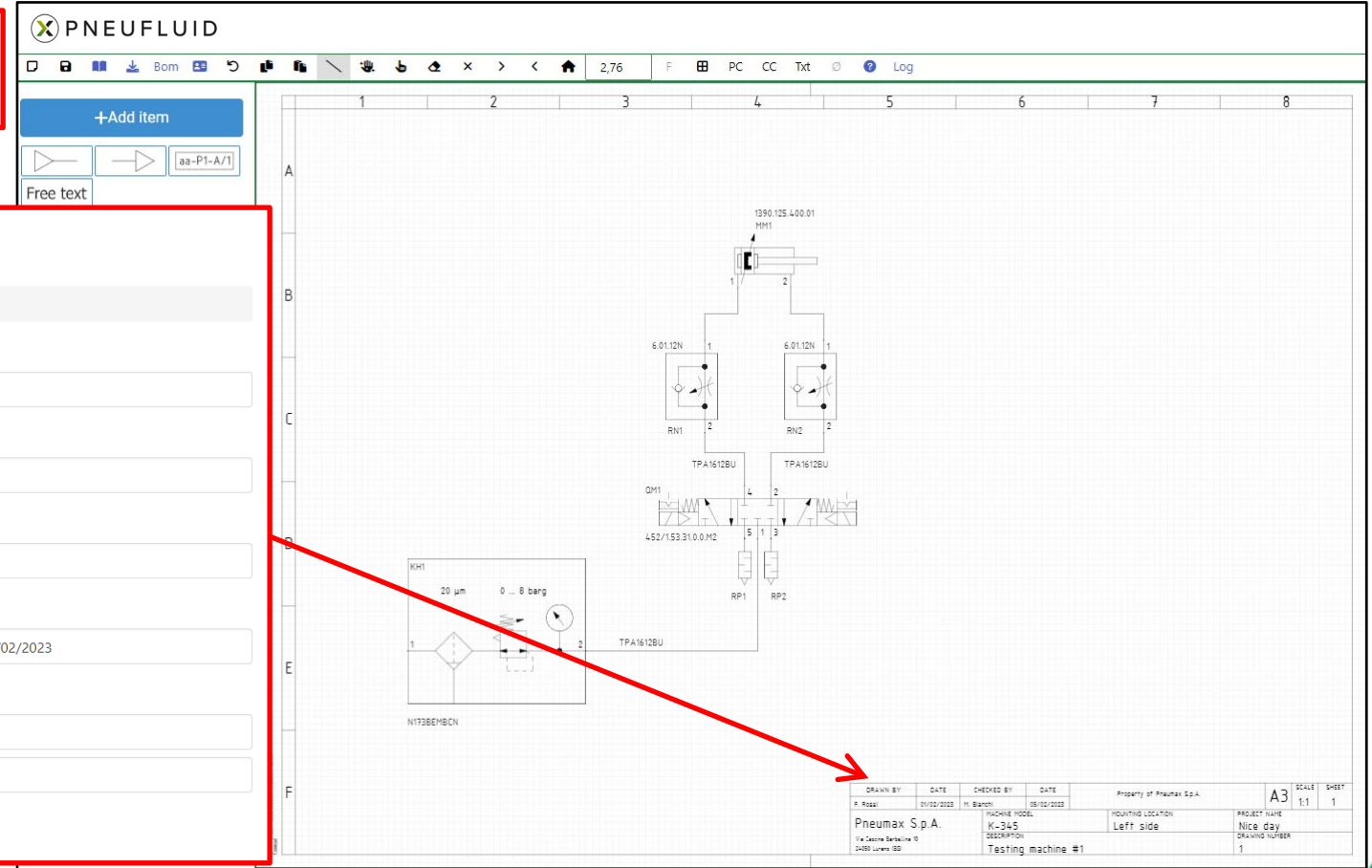
Company Name: Pneumax S.p.A. | Company Info 1: Via Cascina Barbellina 10 | Company Info 2: 24050 Lurano (BG)

Machine model: K-345 | Mounting location: Left side | Project name: Nice day

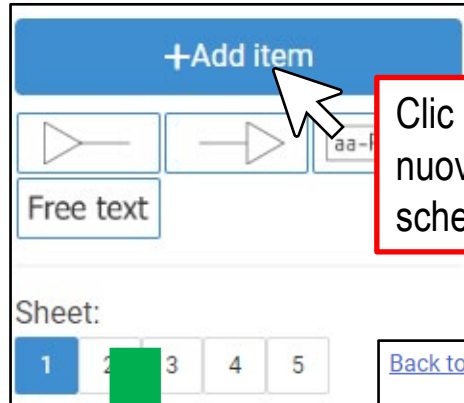
Drawn by: F. Rossi | Date: 01/02/2023 | Checked by: M. Bianchi | Date: 05/02/2023

Copyright: Property of Pneumax S.p.A.

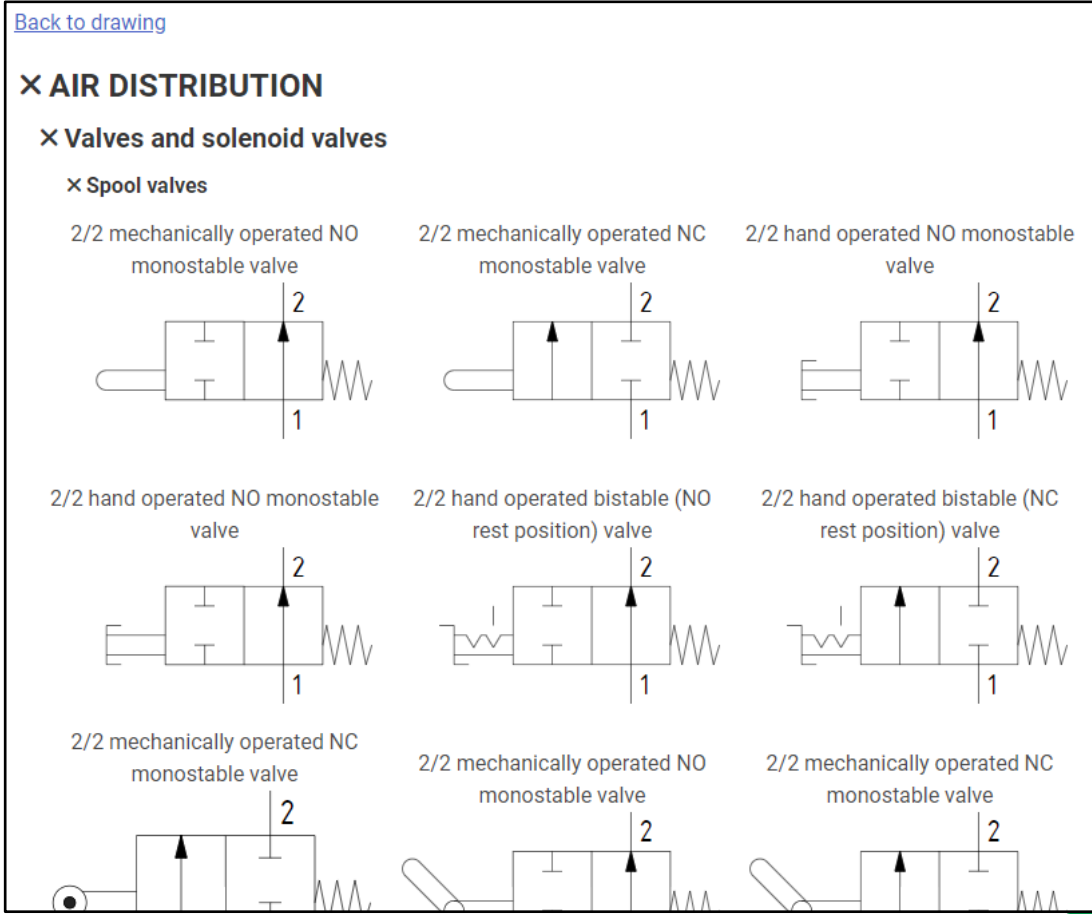
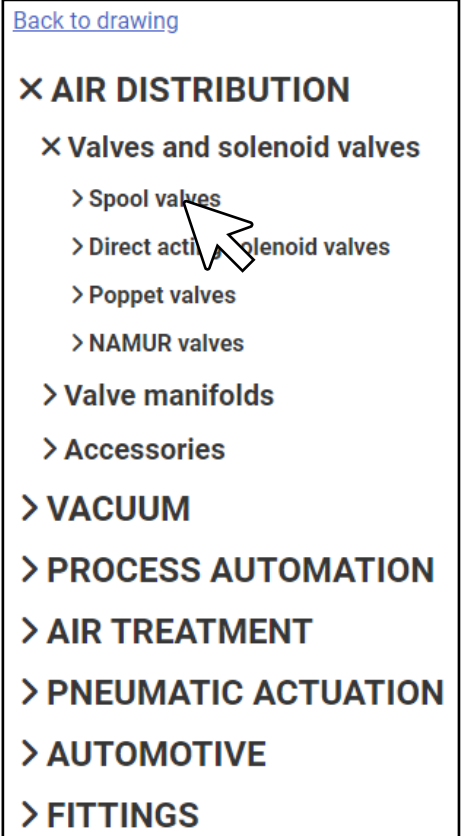
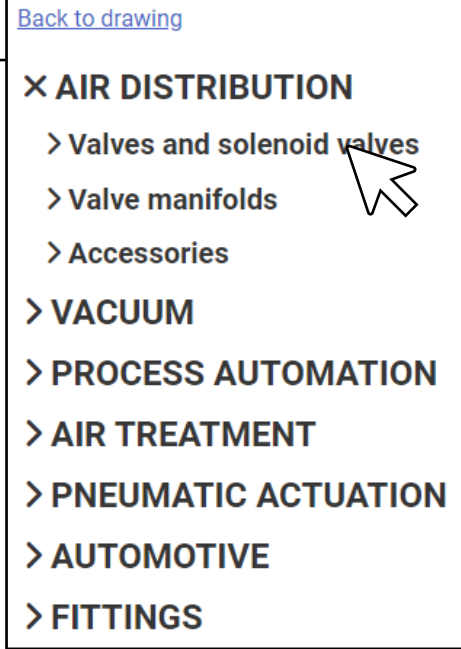
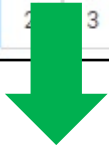
Done



Drawn by	Date	Checked by	Date	Property of Pneumax S.p.A.	A3	SCALE	SHEET
F. Rossi	01/02/2023	M. Bianchi	05/02/2023	Property of Pneumax S.p.A.	A3	1:1	1
Pneumax S.p.A.		MACHINE MODEL		MOUNTING LOCATION		PROJECT NAME	
Via Cascina Barbellina 10		K-345		Left side		Nice day	
24050 Lurano (BG)		DESCRIPTION		DRAWING NUMBER			
		Testing machine #1		1			



Clic qui per inserire un nuovo simbolo nello schema pneumatico





The screenshot displays the PNEUFLUID software interface. On the left, there is a sidebar with a '+Add item' button, a 'Free text' input field, and a 'Sheet' selector showing sheet 1 of 5. Below this is a list of 'Drawing entities' including various components like 'Supply', 'RN1', 'RN2', 'RP1', 'RP2', 'KH1', and 'QM1'. The main workspace shows a hydraulic circuit diagram with a cylinder component labeled 'MM1' and two solenoid valves labeled 'RN1' and 'RN2'. A mouse cursor is pointing at the cylinder component. On the right, there is a 'Product code' search field and a 'User notes' section. A mouse cursor is also pointing at the search field. Three red boxes with white text provide instructions: '1. Clic sul pulsante Single select' (pointing to the cylinder), '2. Clic sul componente da configurare' (pointing to the cylinder), and '3. Clic sulla lente per definire il codice prodotto' (pointing to the search field).

1. Clic sul pulsante *Single select*

2. Clic sul componente da configurare

3. Clic sulla lente per definire il codice prodotto

Mode: single\_select | Mouse: (208.05, 56.39) | Pointer: (207.50, 57.50) | Snap: (0.00, 0.00) | Pan: (-398.32, -64.37) | Zoom: 6 | Local storage usage: 162.11 KB | Pneumatix by Pneumax Spa, powered by Trix Srl

[Back to drawing](#)

**PRODUCT CONFIGURATION**

**4. Ritorno al disegno**

Product code: 1390.125.STROKE1.01 **1. Clic qui**

Enable third-party code input

Please select stroke length (mm)

395  
396  
397  
398  
399  
**400**  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414

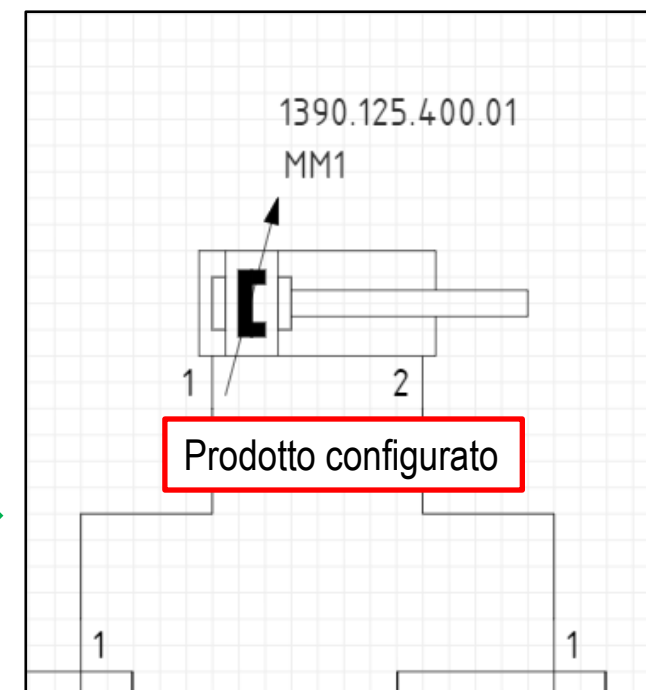
**2. Configurazione delle caratteristiche tecniche salienti inclusa la corsa**

Category	ISO 15552 cylinder
Cylinder configuration	double acting
Piston rod configuration	piston rod
Magnetic piston	yes
Stroke range (mm)	
Stroke size (mm)	
Conditioning	
Just for	
es	
Stroke (mm)	
Stroke increment (mm)	1
Ports size	G1/2"
Rod size (mm)	32
Max pressure (barg)	10

**Please select stroke length (mm)**

400 **3. Clic qui per confermare la corsa scelta** Set Stroke

[Open product page](#)



**1. Clic sul pulsante *Single select***

**2. Clic sul componente da configurare**

**3. Clic sulla lente per definire il codice prodotto**

Product code  
User notes

Mode: single\_select | Mouse: (217.46, 169.67) | Pointer: (217.50, 170.00) | Snap: (0.00, 0.00) | Pan: (-151.32, -222.37) | Zoom: 5 | Local storage usage: 162.11 KB | Pneumatix by Pneumax Spa, powered by Trix Srl

[Back to drawing](#)

**3. Ritorno al disegno**

### PRODUCT CONFIGURATOR

Product code

Enable third-party code input

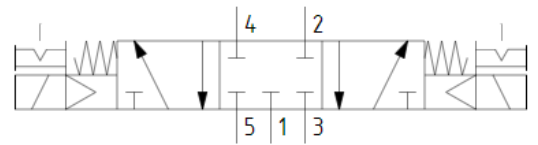
Please select an item:

**1. Clic qui**

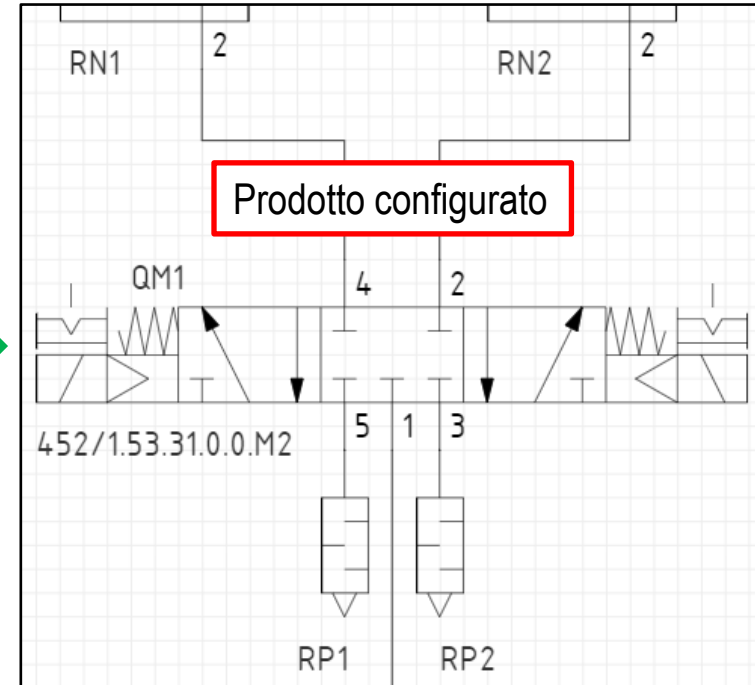
Solenoid pilot

- supplied separately, 90° configuration
- supplied separately, inline configuration**

**2. Configurazione delle caratteristiche tecniche salienti**



Function	5/3 valve
Configuration	closed centers
Actuation	electro-pneumatic
Working ports size	G1/2"
Max pressure (barg)	10
Temperature range (°C)	-5 ... +50
Flow rate (l/min)	3500
Condition	clean unlubricated
Body material	aluminium
Miscellaneous	C-UR-US certified
Orifice diameter (mm)	15
Series	400



The screenshot shows the PNEUFLUID software interface. On the left, there is a sidebar with a '+Add item' button, a 'Free text' input field, and a 'Sheet:' section with tabs 1 through 5. Below this is a 'Drawing entities:' list containing items like 'Supply| No product code', 'MM1 | 1390.125.400.01', 'RN1| No product code', 'RN2| No product code', 'RP1| No product code', 'RP2| No product code', 'KH1| No product code', and 'QM1 | 452/1.53.31.0.0.M2'. The main workspace displays a hydraulic schematic with components labeled RN1, RN2, QM1, RP1, and RP2. A callout box points to a 'Single select' button in the top toolbar. Another callout box points to a magnifying glass icon in the 'Product code' field of a configuration panel on the right. A third callout box points to a component in the schematic. The bottom status bar shows: 'Mode: single\_select | Mouse: (115.06, 226.07) | Pointer: (115.00, 225.00) | Snap: (0.00, 0.00) | Pan: (13.68, -445.37) | Zoom: 5 | Local storage usage: 162.11 KB | Pneumatix by Pneumax Spa, powered by Trix Srl'.

1. Clic sul pulsante *Single select*

3. Clic sulla lente per definire il codice prodotto

2. Clic sul componente da configurare

[Back to drawing](#)

**PRODUCTY** **3. Ritorno al disegno**

Product code

Enable third-party code input

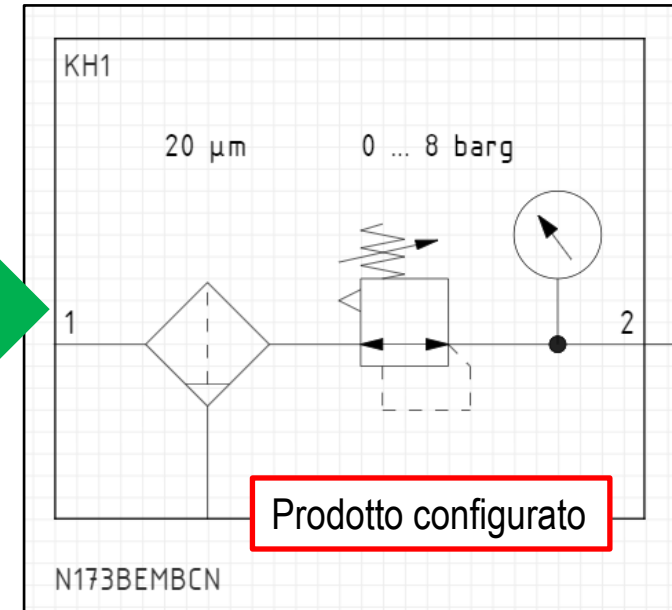
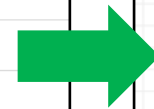
Please select an item: **1. Clic qui**

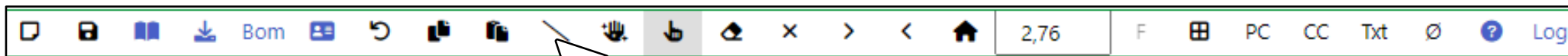
Miscellaneous

- PA bowl with engineered polymer guard
- PA bowl with metal guard
- PC bowl with engineered polymer guard
- PC bowl with metal guard
- metal bowl

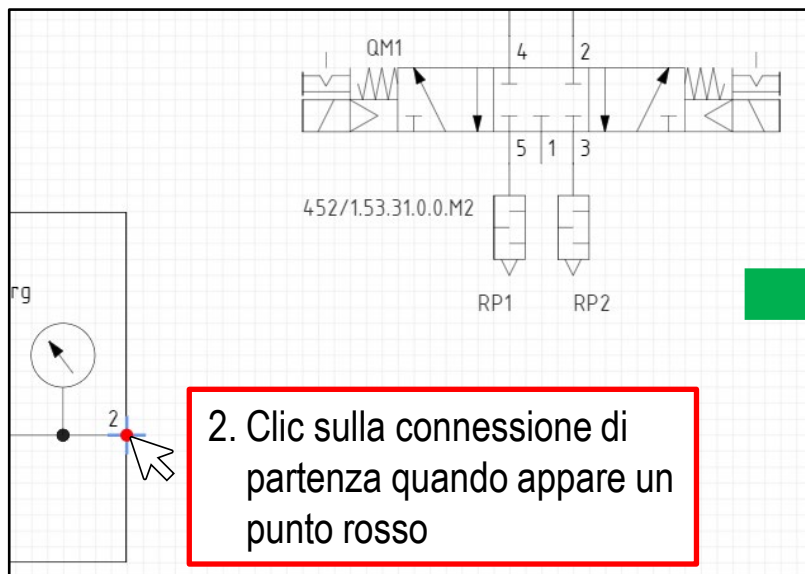
**2. Configurazione delle caratteristiche tecniche salienti**

Function	filter regulator with semi-automatic drain
Configuration	relieving regulator with left-to-right flow pressure gauge
Adjustment	manual
Working ports size	G1/2"
Pressure range (barg)	0 ... 8
Temperature range (°C)	-5 ... +50
Flow rate (l/min)	20
Flow rate (m³/min)	3300
Fluid	compressed air
Certification	II 3G Ex h IIC T5 Gc X, II 3D Ex h IIIC T98°C Dc X
Body material	engineered polymer
Connections material	metal threaded inserts
Series	Airplus

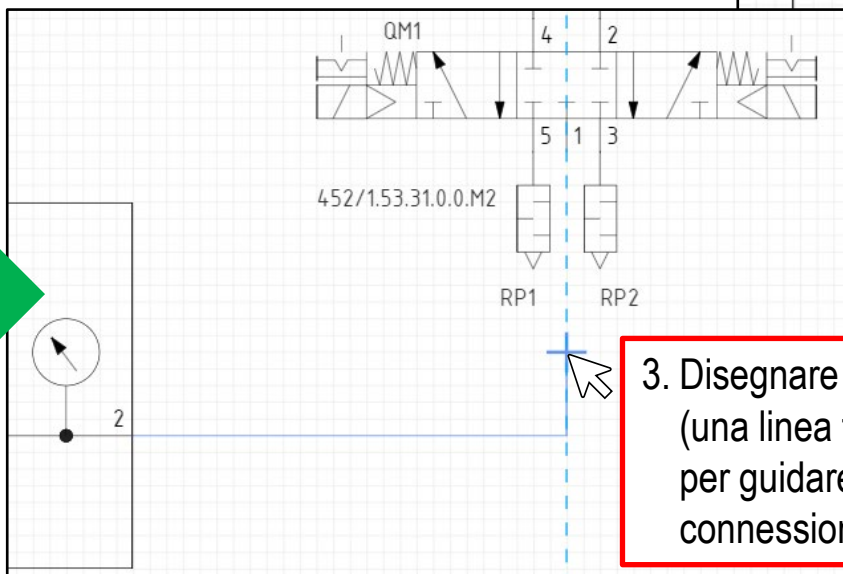
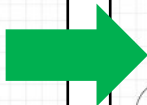




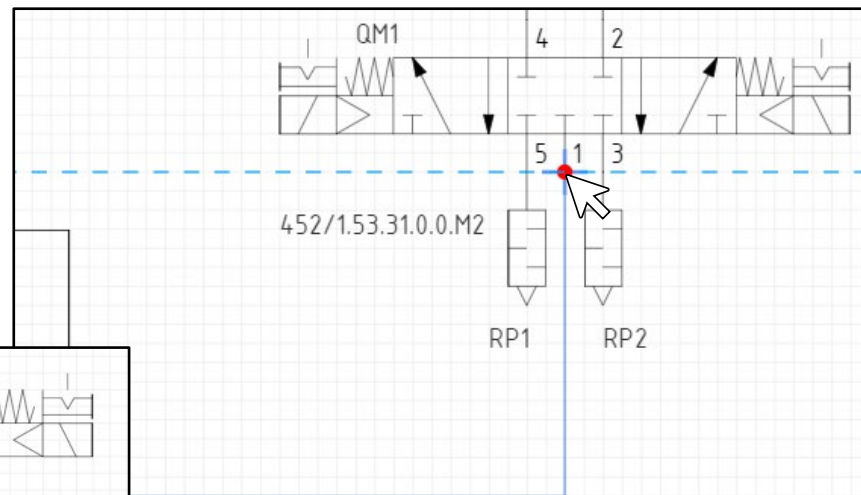
1. Clic sul pulsante *Insert new tubing* per disegnare un tubo



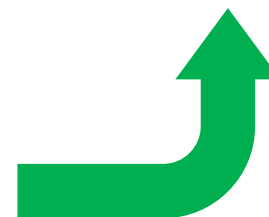
2. Clic sulla connessione di partenza quando appare un punto rosso



3. Disegnare il percorso del tubo (una linea tratteggiata apparirà per guidare il collegamento alle connessioni disponibili)



4. Clic sulla connessione di arrivo quando appare un punto rosso



**1. Clic sul pulsante *Single select***

**2. Clic su un vertice della linea dell'aria da configurare quando appare un punto rosso**

**3. Clic sulla lente per definire il codice prodotto**

**4. Specificare la lunghezza del tubo (opzionale)**

**5. Scegliere se si tratta di una linea di alimentazione o di pilotaggio**

The screenshot shows the PNEUFLUID software interface. On the left, there is a sidebar with a '+Add item' button, a 'Free text' input field, and a 'Sheet:' section with tabs 1-5. Below that is a 'Drawing entities:' list containing various components like Supply, MM1, RN1, RN2, RP1, RP2, KH1, and QM1. The main workspace displays a pneumatic circuit diagram with components labeled RN1, RN2, QM1, RP1, RP2, and KH1. A red dot is visible on a vertical line representing a tube. On the right, a configuration panel is open, showing 'User notes', 'Length (m)' set to 10, and 'Link type' with a dropdown menu showing 'Supply' selected. Five red-bordered callout boxes with white text and mouse cursor icons point to specific UI elements: 1. The 'Single select' button in the sidebar. 2. A red dot on a vertical line in the circuit diagram. 3. A lens icon in the configuration panel. 4. The 'Length (m)' input field. 5. The 'Link type' dropdown menu.

Mode: single\_select | Mouse: (190.46, 216.07) | Pointer: (190.00, 215.00) | Snap: (190.00, 215.00) | Pan: (13.68, -445.37) | Zoom: 5 | Local storage usage: 162.11 KB | Pneumatix by Pneumax Spa, powered by Trix Srl



[Back to drawing](#)

### PRODUCT CONFIGURATOR

Product code

Enable third-party code input

**1. Clic qui**

Please select an item:

Tubing O.D. (mm)

- ∅10
- ∅12
- ∅14
- ∅16**
- ∅3
- ∅4

**2. Configurazione delle caratteristiche tecniche salienti**

[Back to drawing](#)

### PRODUCT CONFIGURATOR

**3. Ritorno al disegno**

Product code

TPA1612BU

Enable third-party code input

[Open product page](#)

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**PNEUMAX** IT EN

MENU

[← Back to Plastic hoses](#)

## TPA – POLYURETHANE TUBE/COPOLYESTER ALLOY SOFT

Application	other
Function	tubing
Tubing O.D. (mm)	∅16
Tubing I.D. (mm)	∅12
Min/Max temperature (°C)	-40 ... +65
Material	polyurethane/copolyester
Colour	light blue
Family code	TPAY
Product code	TPA1612BU
Product link	https://pneumax.com/it/tpa-1612bu
Full description	FUNCTION: tubing (°C): -40 ... +65.
Family code	TPAY

**Prodotto configurato**

452/1.53.31.0.0.M2

TPA1612BU

∅16/12 (10 m)

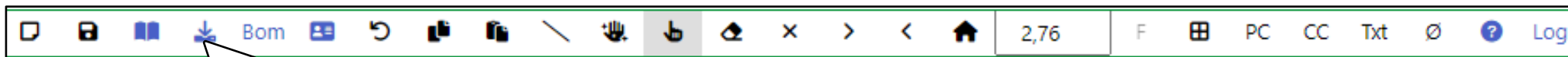
RP1

The screenshot shows the PNEUFLUID software interface. On the left, there is a sidebar with a '+Add item' button and a 'Free text' option. The main workspace displays a pneumatic circuit diagram with components labeled: MM1 (1390.125.400.01), RN1 (6.01.12N), RN2 (6.01.12N), and TPA1612BU. A mouse cursor is positioned over the 'Free text' option in the sidebar, with a red box containing the text: "1. Clic qui per aggiungere nuovo testo libero allo schema".

In the center of the workspace, a blue box contains the text "Enter text" with a mouse cursor pointing to it, and a red box below it contains the text: "2. Trascinare il testo nella posizione desiderata".

On the right side, there is a 'Text' input field with a mouse cursor pointing to it, and a red box containing the text: "3. Scrivere il testo libero".

At the bottom of the interface, a status bar displays technical details: "Mode: single\_select | Mouse: (255.76, 34.91) | Pointer: (255.00, 35.00) | Snap: (0.00, 0.00) | Pan: (-689.32, -209.37) | Zoom: 7 | Local storage usage: 162.17 KB | Pneumatix by Pneumax Spa, powered by Trix Srl".



1. Clic qui

**EXPORT FILE**

Download PNX    Download PDF/DXF

2. Download di un file PNEUFLUID (\*.pnx)

**IMPORT FILE**

Scegli file Nessun file selezionato

3. Upload di un file PNEUFLUID (\*.pnx)

Nome	Ultima modifica	Tipo	Dimensione
Oggi (2)			
Nice_day_project.pnx	22/12/2022 13:07	File PNX	73 KB
3-20221222070809349242*.dxf	22/12/2022 08:08	Cartella di file	
Ieri (2)			
drawing (6).pnx	21/12/2022 16:12	File PNX	63 KB
drawing (5).pnx	21/12/2022 12:34	File PNX	81 KB
All'inizio della settimana (3)			

4. Selezionare e aprire un file pnx archiviato localmente

**EXPORT FILE**

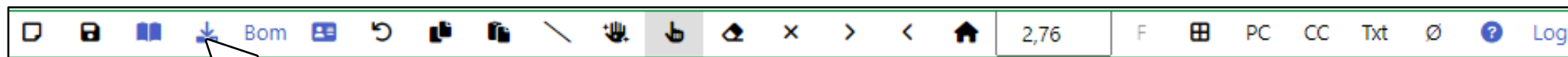
Download PNX    Download PDF/DXF

**IMPORT FILE**

Scegli file Nice\_day\_project.pnx    Import PNX

5. Completare la procedura di importazione

## ESPORTAZIONE DI DISEGNI IN FORMATO PDF/DXF



1. Clic qui



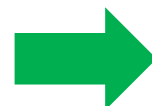
**EXPORT FILE**

Download PNX    Download PDF/DXF

**IMPORT FILE**

Scegli file Nessun file selezionato Import PNX

2. Download del disegno attivo in formato dxf/pdf



**EXPORT FILE**

[Click here to download PDF file](#)

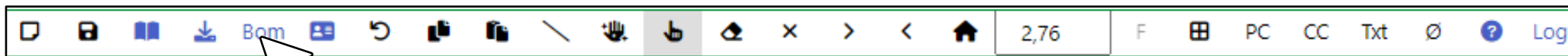
[Click here to download DXF file](#)

**IMPORT FILE**

Scegli file Nessun file selezionato Import PNX

3. Completare il download del file pdf

3. Completare il download del file dxf



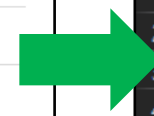
Clic qui per creare la distinta base (BOM)



**BILL OF MATERIALS**

Position	Product code	Description	Quantity
1	1390.125.400.01	double acting with piston rod	1
2	6.01.12N	flow control unidirectional 1-to-2 valve	2
3	N173BEMBCN	filter regulator with semi-automatic drain	1
4	452/1.53.31.0.0.M2	5/3 electro-pneumatic closed centers valve	1
5	TPA1612BU	tubing	20 m

Export CSV



	A	B	C	D
1	Position	Product Code	Description	Quantity
2	1	1390.125.400.01	double acting with piston rod	1
3	2	6.01.12N	flow control unidirectional 1-to-2 valve	2
4	3	N173BEMBCN	filter regulator with semi-automatic drain	1
5	4	452/1.53.31.0.0.M2	5/3 electro-pneumatic closed centers valve	1
6	5	TPA1612BU	tubing	20 m

Clic qui per esportare la distinta in formato csv

[Back to drawing](#)

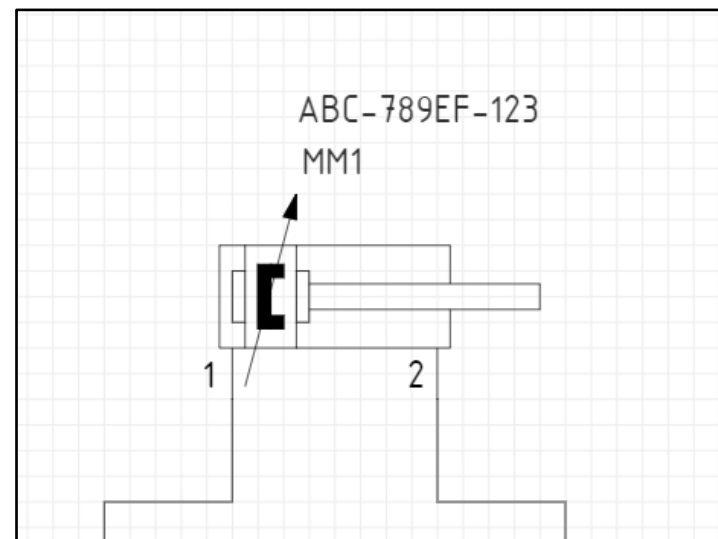
**3. Ritorno al disegno**

### PRODUCT CONFIGURATOR

Product code

ABC-789EF-123

Enable third-party code input



### BILL OF MATERIALS

Position	Product code	Description	Quantity
1	ABC-789EF-123	Third-party code	1
2	6.01.12N	flow control unidirectional 1-to-2 valve	2
3	N173BEMBCN	filter regulator with semi-automatic drain	1
4	452/1.53.31.0.0.M2	5/3 electro-pneumatic closed centers valve	1
5	TPA1612BU	tubing	20 m

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**1. Spuntare per abilitare l'inserimento manuale del codice prodotto di terze parti**

**2. Scrivere il codice del prodotto di terze parti**