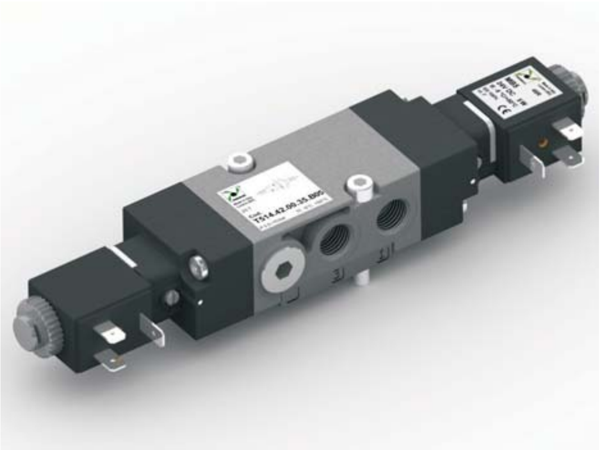


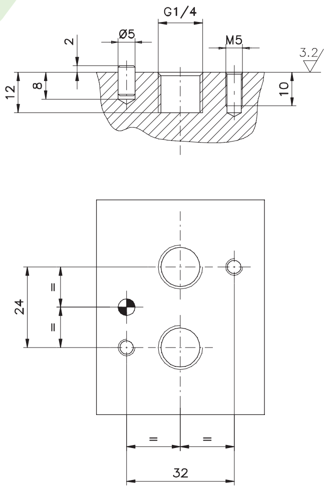
General

The TECNO-NAMUR range of 4/2 and 5/2 spool valves, with pneumatic or solenoid operation, are used in industrial valve automation applications where the rotary actuator has a NAMUR mounting.
The innovative design of this valve permits the configuration of the valve from a 5/2 to 4/2 version by switching the interface plate and fitting a plug.
These valves are certified for use in potentially explosive atmospheres (Atex 94/9/EC directive).
TECNO-NAMUR valves are produced using the most up to date technical features, guaranteeing flexible design and elevated characteristics over standard products.
Superior performance is further enhanced by the use of innovative materials of construction.

Construction characteristic:

Body : technopolymer
Operators : technopolymer
Spools : Nickel plated steel
Seals : Nitrile rubber
Spacers : technopolymer
Screw : Zinc coated Steel

NAMUR interface dimensions:
according to standard
(VDI/VDE 3847 July 2003)

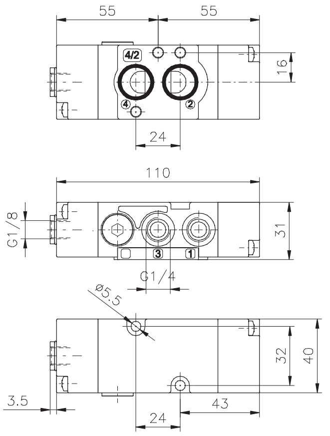


NOTE :
"Although accurately described, the 4/2 valve actually functions as a 3/2 normally closed valve and should be used as such."

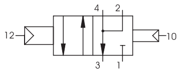
PNEUMAX

Pneumatic - Differential

Ordering code
T514.42.00.16



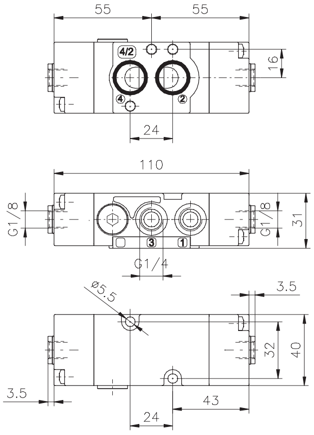
Weight gr. 140
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



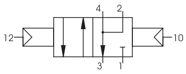
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Pneumatic - Pneumatic

Ordering code
T514.42.00.18



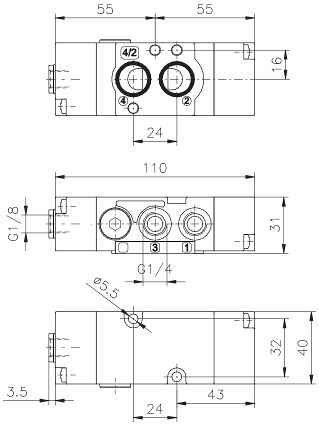
Weight gr. 140
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



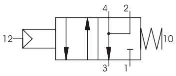
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Pneumatic - Spring

Ordering code
T514.42.00.19



Weight gr. 140
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



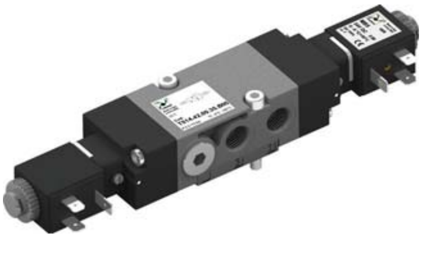
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

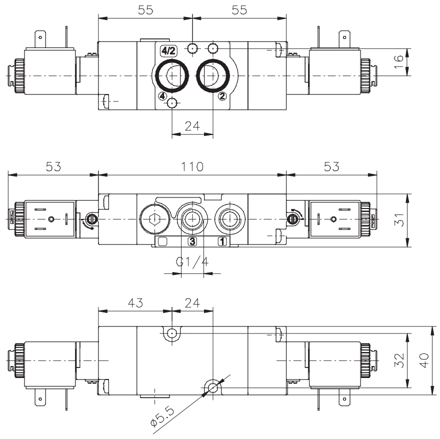
Solenoid - Solenoid

Ordering code

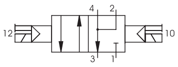
T514.42.00.35.Ⓥ

Ⓥ VOLTAGE
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)





Weight gr. 250
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



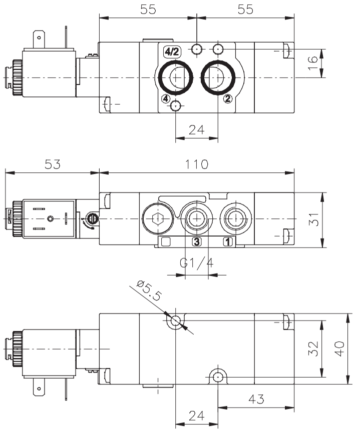
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Solenoid - Differential

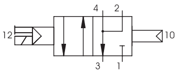
Ordering code

T514.42.00.36.Ⓥ

Ⓥ VOLTAGE
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)



Weight gr. 200
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



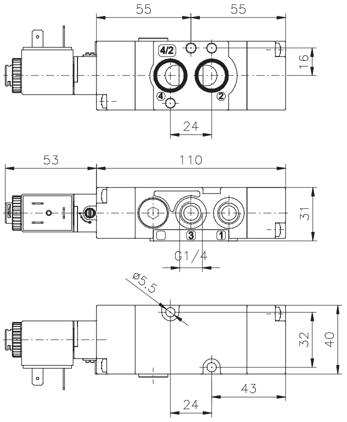
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Solenoid - Spring

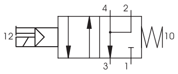
Ordering code

T514.42.00.39.Ⓥ

Ⓥ VOLTAGE
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)



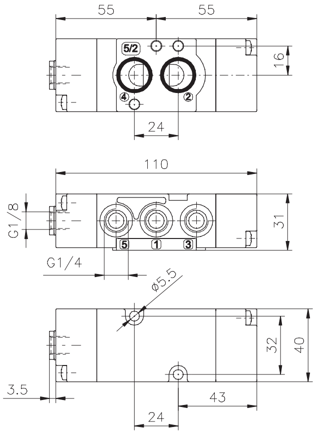
Weight gr. 200
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



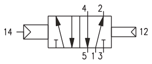
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Pneumatic - Differential

Ordering code
T514.52.00.16



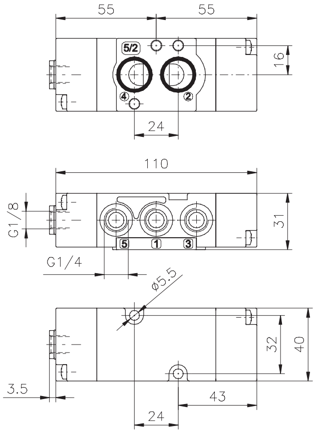
Weight gr. 139
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



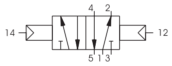
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar with∆ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Pneumatic - Pneumatic

Ordering code
T514.52.00.18



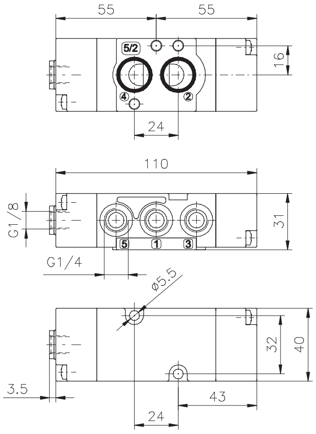
Weight gr. 139
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



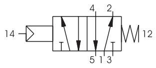
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar with∆ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Pneumatic - Spring

Ordering code
T514.52.00.19



Weight gr. 139
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



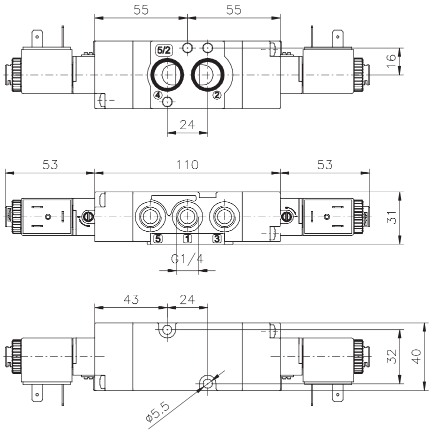
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar with∆ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Solenoid - Solenoid

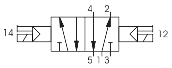
Ordering code

T514.52.00.35.Ⓥ

VOLTAGE
Ⓥ
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)



Weight gr. 249
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



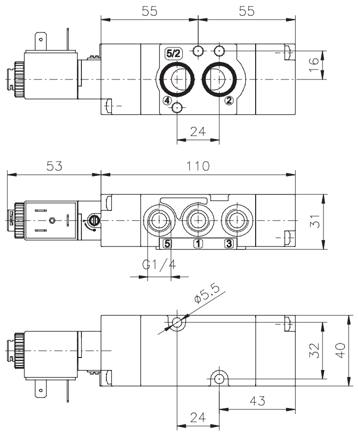
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Solenoid - Differential

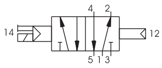
Ordering code

T514.52.00.36.Ⓥ

VOLTAGE
Ⓥ
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)



Weight gr. 199
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



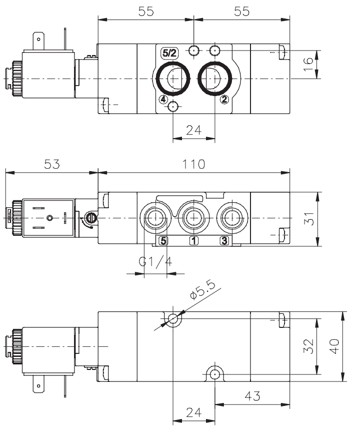
Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

Solenoid - Spring

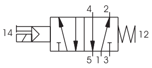
Ordering code

T514.52.00.39.Ⓥ

VOLTAGE
Ⓥ
B04 = 12 VDC
B05 = 24 VDC
B09 = 24 VDC (2W)
B56 = 24V (50-60 Hz)
B57 = 110V (50-60 Hz)
B58 = 220V (50-60 Hz)



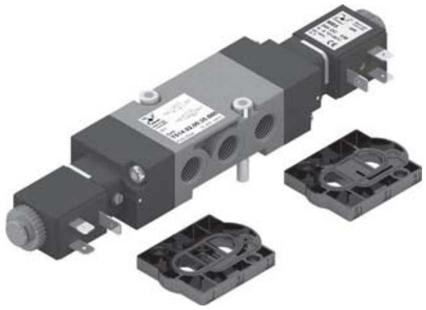
Weight gr. 199
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m

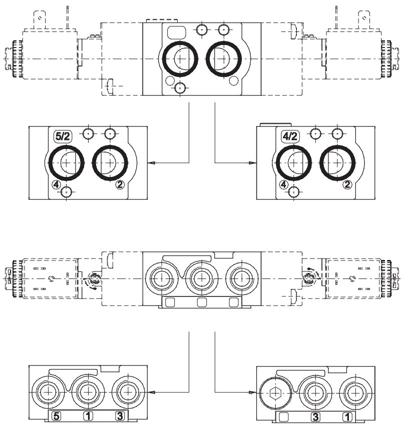


Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar withΔ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"

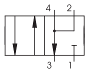
Universal kit

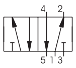
	Ordering code
	T514.92.00.Ⓕ.Ⓥ
Ⓕ	FUNCTION
	16 = Pneumatic - Differential
	18 = Pneumatic - Pneumatic
	19 = Pneumatic - Spring
	35 = Solenoid - Solenoid
	36 = Solenoid - Differential
	39 = Solenoid - Spring
Ⓥ	VOLTAGE
	B04 = 12 VDC
	B05 = 24 VDC
	B09 = 24 VDC (2W)
	B56 = 24V (50-60 Hz)
	B57 = 110V (50-60 Hz)
	B58 = 220V (50-60 Hz)





Weight gr. 170
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m





To change a 5/2 valve into a 4/2:
Simply replace the bottom plate with the one included in the universal kit (cod. T514.92....) and by plugging port 5

Operational characteristics	Fluid	Max working pressure	Operating temperature	Flow rate at 6 bar with∆ = 1 bar	Orifice size	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	1100 Nl/min	mm 8	G 1/4"