

These models are all designed to be lightweight with the focus on operator comfort. The popular 4 sizes are found onboard on almost every sea going vessel. Ideal for routine tasks or descaling in hard to reach areas. Needles are easily replaceable. 2mm, 3mm and 4mm needles and fast wearing parts and complete assemblies are readily available globally in any port and are

competitively priced keeping a check on your maintenance costs. Yellow H suffixed models are economy priced models. Needle supporters, Pistons, needles and other spares are interchangeable with generic models



**N 24**



**HN 24**



**N 28**



**HN 28**



**SN16PG**



**SN20ST**

### Features

- High degree of parts interchangeability between models
- Quick change needles
- Lightweight housings
- Independent needle motion ensures descaling coverage over irregular surfaces like bolt heads, corners and other hard to access areas.

### Applications

- Marine, off-shore and petrochemical hold cleaning, general deck and surface cleaning. Removal of heavy rust on tankers and dry dock applications. Tank descaling. Descaling of structures prior to painting
- Paint removal, and other industrial coating removal from floors and other surfaces.
- Construction - removal of concrete residue from rebar, cleaning of cement from plant and vehicles. Weld cleaning.

### Technical data

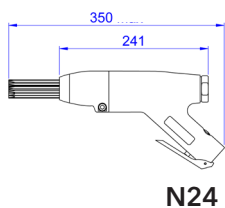
IMPA Code	Teryair Model No	O.A. Length mm	Needles mm	Air Inlet	Air Consumption m <sup>3</sup> /min	Weight kgs
590461	SN16PG	159	2 mm x 29 pcs	M16 x 1.5P	0.15	1.4
590462	SN20ST	245	2 mm x 29 pcs 3 mm x 12 pcs	M16 x 1.5P	0.20	2.4
590463	N24 / HN24	237	2 mm x 53 pcs 3 mm x 23 pcs	M 16 x 1.5P	0.27	2.7
590464	N28 / HN28	264	2 mm x 66 pcs 3 mm x 28 pcs 4 mm x 14 pcs	M16 x 1.5P	0.35	3.5

### Additional data

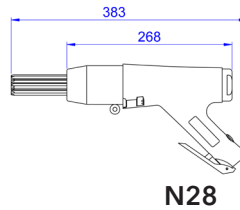
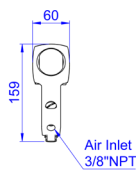
Teryair Model No	Maximum Operating Pressure	Blows Per minute
SN16PG	6kg/cm <sup>2</sup> (90 psi)	4000
SN20ST		4000
N24 / HN24		4000
N28 / HN28		4500

Note: N24 and N28 are aluminum polished finished, HN24 and HN28 are painted finishes. Technical performance of polished and yellow painted finish are the same.

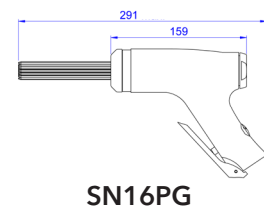
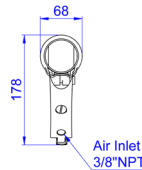
### Dimension drawing



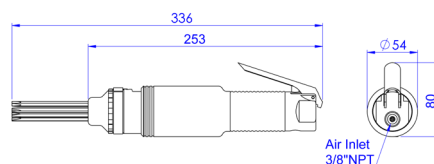
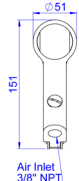
**N24**



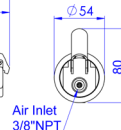
**N28**



**SN16PG**



**SN20ST**













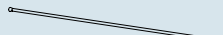


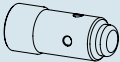










### Standard equipment included

N24/HN24	0224052 Hose Nipple
N28/HN28	
SN16PG	
SN20ST	

### Accessories and spares

Note: for needle replacement information, please go to page 13

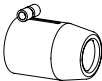





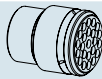

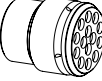





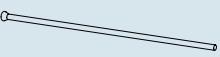





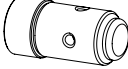



#### For N24 Needle scaler

Teryair Model No	Image	Part description	Qty/ tool				
0224001		Needle guide	1	0224005		Front washer	1
0224017		Stop ring	1	0224003		O ring Housing	1
0229063		Hex nut	1	0224007		Housing	1
0229061		Clamp bolt	1	0229029A		Throttle valve assembly	1
0229004OL		Needle 3mm x 180mm	23	0229027		Valve packing	1
0229008		Needle 2mm x 180mm	53	0229025		Valve cap	1
0224045		Needle Supporter 3mm	1	0224009		Piston	1
0224047		Needle Supporter 2mm	1	0224011		Rear washer	1
0224019		Throttle anvil	1	0224013		Rear plug	1
0224002		Cylinder	1	0229031		Throttle lever	1
0229023		Cylinder lock pin	1	0229033		Lever pin	1
				0229043		Hose nipple	1
				0229041		Reducer	1

## Accessories and spares

*Note: for needle replacement information, please go to page 13*




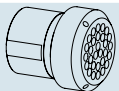


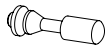
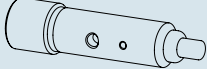
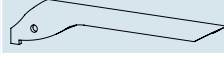
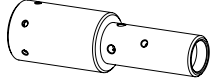




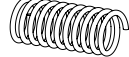

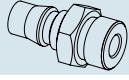

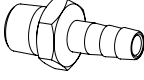




### For N28 / HN28 Needle scaler

Teryair Model No	Image	Part description	Qty/ tool				
0229035		Needle guide	1	0229012		O ring Cylinder	2
0229062		Clamp bolt	1	0229013		Safety band	1
0229001		Stop ring	1	0229014		Cylinder	1
0229003		Needle Supporter 3mm	1	0229023		Cylinder lock pin	1
0229005		Needle Supporter 4mm	1	0229017		Front washer	1
0229007		Needle Supporter 2mm	1	0229045		Housing	1
0229004OL		Needle 3mm x 180mm	28	0229021		Rear washer	1
0229006		Needle 4mm x 180mm	14	0229029A		Throttle valve assembly	1
0229008		Needle 2mm x 180mm	65	0229027		Valve packing	1
0229009		Throttle anvil	1	0229025		Valve cap	1
0229011		Piston	1	0229047		Rear bolt	1
				0229031		Throttle lever	1
				0229033		Lever	1

## Accessories and spares

Note: for needle replacement information, please go to page 13

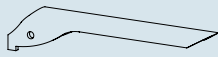
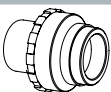

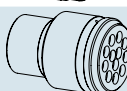







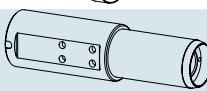

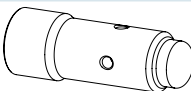


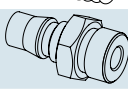
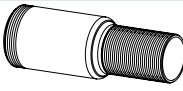
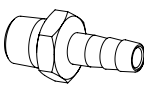



### For SN16PG Needle Scaler

Teryair Model No	Image	Part description	Qty/ tool				
1352107		Rear bolt	1				
1355111OL		Needle 2mm x 150mm	29	0229025		Valve cap	1
1352106		Needle Supporter 2mm	1	0229027		Valve packing	1
1352102		Throttle anvil	1	0229029		Throttle valve	1
1352103		Piston	1	0229031		Throttle lever	1
1352104		Cylinder	1	0229033		Lever pin	1
1352105		Stop ring	1	0229030		O ring for throttle valve	1
1354008		O ring	1	0229040		Spring for throttle valve	1
1405112		Safety band	1	0224052		Hose nipple	
1351001		Housing	1	0229043		Hose nipple	1
1354009		O ring for cylinder	1	0229041		Reducer	1
1354010		Rear washer	1	0229031		Throttle lever	1

## Accessories and spares

Note: for needle replacement information, please go to page 13

### For SN20ST Needle Scaler

Teryair Model No	Image	Part description	Qty/ tool				
				0229031		Throttle lever	1
1402101		Stop ring	1	1005019		Lever pin	1
1402102		Needle supporter 3mm	1	1402107		Valve cap	1
0229004OL		Needle 3mm x 180mm	12	1404011		O ring for valve cap	1
1402103		Throttle anvil	1	1409013		Internal circlip	1
1405112		Safety band	1	0229029		Throttle valve	1
1402104		Cylinder	1	0229030		O ring for throttle valve	1
1402105		Piston	1	0229040		Spring for throttle valve	1
1404008		Front washer	1	0224052		Hose nipple	
1404009		Cover for cylinder	1	0229043		Hose nipple	1
1404010		O ring for control body	1	0229041		Reducer	1
1402106		Control body	1				