

# COMPRESSORS

## Compressors

The compressors that Flints stocks are mainly used by scenic artists to power their spray guns or by technicians requiring air for nailers and staple guns. Most of the ones we list are easily portable so that they can be lifted into the boot of a car for work in a variety of locations. Consideration should be given to the air output from the compressor. Almost any compressor will achieve the pressure needed but it is the volume of air which is important. The popular SATAJet 1000 B RP spray gun will use around 7.1 cfm at full tilt whereas the SATAmijet 3000 B HVLP uses around 4 cfm. As scenic work normally involves stop/start spraying they will operate satisfactorily from small portable compressors giving upwards of 7 cfm. Be careful though, because some HVLP guns use large quantities of air [the SATAjet 4000 HVLP uses 15.2 cfm] and really require large fixed-installation compressors [please phone for details of larger units]. Flints has spent a lot of time looking at the compressor market and has not found it possible to source a truly rugged unit that can still be easily transported in the boot of a car. The compressors we list will not withstand continuous use at full pelt. They should, however, provide reasonable service for the freelance painter for two or three years so long as they are treated with a little care and given some oil from time to time. Choose a unit with some spare capacity to ensure a good service life and please spare a moment to read the instructions!

## PIONEER RANGE



**Fini Pioneer 265M** This Fini compressor with a 2 hp motor delivers 7.6 cfm [15 m<sup>3</sup>/h] making it ideal for the freelance scenic artist needing a compressor which is easy to transport in the boot of a car. It takes a 9 mm SATA-type hose which will push-fit direct to the compressor's connector. If you need to use 8 mm bore hoses see the Pioneer converter on the next page.

SPECIFICATION: Air receiver: 9.5 L. Max working pressure: 10 Bar [145 psi]. 230 V, 8 A. Dims [LxDxH]: 395 x 320 x 630 mm. dB[A] 76. Wt: 22 kg.

☐ Supplied with: panel that protects pressure switch and pressure regulator, pressure gauge and universal quick coupler for 9 mm hoses.

Fini Pioneer Compressor 265M	code	list	Tradeline
	FIN265M	£679.00	£450.50
9 mm bore hose [10 m]	SATAMIM1030		£118.00



**Fini Big Pioneer** Fitted with a powerful 3 hp motor delivering 10 cfm [17 m<sup>3</sup>/h]. The large 20 L receiving tank is suited for small workshops or for paint frame use. This compressor is still very compact and portable although it is a bit of a heavy lift to get into a car. A 9 mm SATA-type hose will push fit directly to the compressor's connector. If you need to use 8 mm bore hoses see the Pioneer converter [see →].

SPECIFICATION: Air receiver: 20 L. Max working pressure: 10 Bar [145 psi], controlled by a fully automatic pressure switch. 230/240 V, 9.5 A. Dims [LxDxH]: 470 x 490 x 720 mm. dB [A] 80. Wt: 33.5 kg.

☐ Supplied with: pressure switch, safety valve, drain valve, pressure regulator, pressure gauge and universal quick-coupler for 9 mm hoses.

Big Pioneer Compressor 312M	code	list	Tradeline
	FIN312MB	£676.00	£479.95
9 mm bore hose [10 m]	SATAMIM1030		£118.00

## OTHER COMPRESSORS



## Clarke Raider 15/550

A powerful British-made portable V-twin compressor delivering 14.5 cfm with a 50 L tank. That's enough cfm to work the texture guns on page 93. Ideal for use with air tools and most spray equipment. With an automatic stop/start the engine only runs when it needs to. For oil see ↓

SPECIFICATION: Air receiver: 50 L. Max working pressure: 8 bar [116 psi]. 230 V, 13 A\*. Dims [LxDxH]: 725 x 410 x 715 mm. dB [A] 93. Wt: 45.1 kg.

☐ Supplied with: air filters, safety valve, pressure regulator, gauge for controlled air pressure, moulded 13 A\* 3-pin plug to BS 1363/A.

\*3 hp motors can run on a 13 A plug so long as they are not run on an extension lead.

Clarke Raider 15/550	code	list	Tradeline
15/550	TOL15550	£299.00	£209.98



## Clarke Shhh...Air 50/9

An ultra quiet compressor emitting just 40 db. With an air displacement of 1.77 cfm from a 0.5 hp motor, this compressor it is suitable for powering the SATAjet 20 B [page 91] and the SATAgraph airbrushes [page 91-92]. The air receiver is CE certified. There is a 50% duty cycle [15 minutes ON, 15 mins OFF]. At 470 mm height, it's suitable for a studio or a model shop but not heavy-duty use. Don't forget to give it some oil. It

takes 500 ml of Synthetic Air Compressor Oil available below ↓

SPECIFICATION: Air receiver: 9 L. Max working pressure: 8 bar [115 psi]. 230 V, 13 A. Dims [LxDxH]: 330 x 330 x 470 mm. dB [A] 40. Wt: 21 kg.

☐ Supplied with: filter regulator with gauge, receiver pressure gauge, safety valve and handle.

Clarke Shhh...Air 50/9	code	list	Tradeline
50/9	TOL2320870	£790.15	£499.00

## COMPRESSOR OIL



## Compressor Oil

Treat them to some TLC. They do need oil! You'd be surprised how many compressors we find with empty

sumps. We recommend oil "A" for the Fini Pioneer compressors and oil "B" for the Clarke Raider and Pioneer compressors. The Clarke Shhh...Air uses Synthetic Air Compressor Oil "C".

Compressor Oil	code	1 L	code	5 L
<b>A</b> For Pioneer 265/Big Pioneer	FIN6102250000	£13.32	-	-
<b>B</b> For Raider & Pioneer 220	CLA3050810	£8.98	CLA3050802	£35.98
<b>C</b> Synthetic Air Compressor Oil	CLA3050795	£16.20	-	-

# AIR HOSES & FITTINGS

The wide bore and special design of the quick release fittings will allow a far greater air flow to the gun. In a simple experiment using a conventional 8 mm hose and one of these 9 mm hoses connected to a "Y" fitting it was found that the 9 mm hose delivered almost twice the volume of air. Using these lightweight and very flexible hoses may help to solve the struggle to find a small portable compressor that delivers enough air volume to your spray gun. By the way, if you are using 9 mm bore hoses on Clarke compressors, don't tighten them up too hard but use some P.T.F.E. tape to make the threads seal. If you tighten them, the air will not flow!

## 9 mm BORE HOSES [FOR SATA] 1/4" BSP THREADS



**9 mm Bore Air Hose** A good quality very flexible and lightweight 10 m hose with quick release couplings on each end. Plugs straight into the Fini Pioneer 265M Compressor [page 88].

9 mm Bore Air Hose	code	Tradeline
10 m	SATAMIM1030	£118.00



**9 mm Quick Fitting Female** Female quick release to suit most compressors. [1/4" BSP].

Female Compressor End	code	price
	SATAI3599	£18.60



**9 mm Quick Fitting Male** Male quick release to suit most hoses. [1/4" BSP].

Male Compressor End	code	price
	SATAI3623	£19.20



**Gun End Quick Fitting** Quick release to suit most guns. [1/4" BSP thread].

See also the SATA Turbo Nozzle on page 93

Gun End Fitting	code	price
Female [most common]	SATAI3656	£8.38
Male	SATA53942	£9.80



**Swivel for Spray Guns** A very useful attachment for the SATA guns, the swivel allows the hose to move freely without kinking.

Swivel for Spray Guns	code	price
For all SATAjet guns [non-digital topcoat guns]	SATAI9745	£39.20



**Nipple Male BSP** Useful to convert a female fitting to a male one or to convert a 1/2" wall outlet to 1/4" BSP thread. Tapered threads.

Nipple Male	code	price
1/4" to 1/4"	TOL103014	£1.38
1/4" to 1/2"	TOL103016	£2.78

## PIONEER CONVERTER



**Push-Fit Converter** This adaptor will allow 8 mm hoses with standard push fittings to be fitted to the Pioneer 265M and Big Pioneer compressors.

Push-Fit Converter	code	price
	TOL845K	£9.30

## 8 mm BORE HOSES 1/4" BSP THREADS

**8 mm Bore Air Hose** High pressure [300 psi] round rubber hoses with 1/4" BSP swivel nut fittings. If you are using HVLP spray equipment you may consider upgrading to 9 mm hoses which are listed on the previous column.

8 mm Bore Air Hose	code	list	price
10 m	TOL822H	£16.47	£14.97
15 m	TOL823H	£21.97	£19.97
30 m	TOL820H	£37.38	£33.98
Worm drive hose clips [11 - 16 mm]	GEN051		£0.87

## 8 mm BORE HOSE FITTINGS 1/4" BSP THREADS

### 1/4" Hose Fittings for 8 mm Bore Air Hose

Endless fun and confusion! As a bit of a guide, this is what you would need if you want to couple a compressor with 1/4" male thread to a spray gun using quick release fittings. Mount a "snap female body" onto the compressor, put a "snap male adapter" into one end of the hose. The hose will now snap onto the compressor. Put a "snap male body" onto the other end of the hose and a "snap female adapter" onto the gun. The gun will now snap onto the hose. Easy peasy! To simplify things just order the top four listed below.

Fittings	code	price
Snap female body	TOL842	£3.85
Snap male adapter	TOL831	£1.95
Snap male body	TOL841	£3.85
Snap female adapter	TOL832	£1.95
Snap hose adapter	TOL833	£1.95
1/4" hose adapter	TOL824	£1.95
Tail 1/4" nut	TOL844	£1.95
Hose joint	TOL843	£1.95

Compressor to gun snap connectors

**Y-Connectors** Available either complete with snap fittings ready to take standard 8 mm bore air hoses [when fitted with snap adapters] or as a plain fitting with female 1/4" BSP threads on all outlets.

Y-Connectors	code	price
Y-Connector with fittings	TOL8Y	£11.29
Y-Connector plain	TOL103301	£3.48

## 6 mm BORE HOSES 1/4" BSP THREADS

**6 mm Coiled Air Hose** Useful for running small spray guns when the air outlets are ceiling-mounted. 6 mm bore with 1/4" BSP thread connectors on each end. Max working pressure: 10.5 bar [150 psi].

6 mm Coiled Air Hose	code	list	price
7.5 m	TOL3110458	£10.30	£9.27

## P.T.F.E. TAPE

**P.T.F.E. Tape** Used to lubricate and seal air hose joints.

P.T.F.E. Tape	code	price
10 mm x 5 m	TAP077	£0.90