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# IPT Technologies AB

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## HRV-95A SCALER : INSTRUCTIONS FOR USE

The HRV-95A weld flux scaler is an advanced, actively vibration-damped scaler with very low noise level. ( System IPT, patents pending. ) It weighs less and is less bulky and therefore easier to work with than other vibration-damped scalers. Following these simple instructions will ensure a long life of excellent operation.

### Important Safety Note

All local safety rules with regard to installation, operation and maintenance shall be adhered to at all times. Always use adequate personal protective gear, e.g. safety goggles, noise protection, gloves, etc., as appropriate.

Always disconnect the tool from the air line before changing chisels or making other adjustments.

See also under " Warnings " on page 2.

### General Information

The scaler is designed to operate at an air pressure of 6 to 6,5 bar but will tolerate some variations without much change in performance. Do not exceed 8 bar pressure. Use a regulator set to 6.5 bar.

Connect to 1/4" hose.

Make sure there is no accumulation of water or dirt in the hose by carefully blowing the hose clean, before connecting the tool. The compressed air should be dry and clean. A filter is recommended.

### Scaling

The scaler is designed with weld dressing in mind but is excellent for other duties where " light hammering " is involved, e.g. cleaning of castings, trimming, removal of caulking, rust removal, insertion of pins, etc. The low vibration level and the fairly short stroke results in much better precision for the work involved.

The scaler should not be used as a crowbar but with a light to medium downpush. Let the tool do most of the work itself. Find the best angle to the work surface for smooth operation.

If the compressed air supply to the tool is interrupted, then the throttle should be released. Restart the tool when the supply is reestablished.

**NOTE!** Do not clamp the Housing (5) in a vice. Deformation of the housing will result in poor performance of the tool and increased levels of vibration.

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## Changing the Chisel

NOTE: Always disconnect the scaler from the compressed air line when removing or attaching chisels.

Use a standard 17 mm wrench to loosen the nut 1. Insert the chisel between the two chisel retainers 3 and retighten the nut firmly. Ensure that the chisel is properly clamped by the nut and retainers.

For weld dressing and similar jobs, the chisels fitted with tungsten carbide is recommended. For jobs where a " softer " chisel surface is desired, there are chisels without carbide available. Note, other chisels than those available from IPT may have nonoptimum weights. This can result in significantly higher vibration levels.

## Maintenance

Lubricate regularly. Use only quality air tool oil ( disconnect the scaler from the air line and apply one or two drops of oil at the air connection ). If the compressed air already contains some oil, then there will generally be no need for extra lubrication.

NOTE: Do not open the tool as it will void the warranty!

Use only original IPT spare parts for any replacement. Other parts may result in decreased performance and/or increased maintenance and wear.

## Warnings

Power tools are not generally insulated for coming into contact with electric power sources.

Power tools shall not be used in explosive atmospheres.

Do not use chisels which are cracked or deformed.

Stored compressed air may cause a hazard.

Long hair or loose clothing may be drawn in or trapped by the power tool.

Make sure that any sparks which may be emitted are directed so as not to cause a hazard.

Be aware of the risk of a whipping compressed air hose.

## Warranty

The HRV-95 Scaler is warranted for 12 months from the date of purchase against faulty workmanship or materials, provided the tool has **not been opened** by unauthorized persons and has always been connected to a filtered air supply of the recommended pressure.

Please return any defective tool to your authorized supplier.

This warranty does not include repair or replacement required because of misuse, abuse or normal wear and tear.

**Technical Data**

Length	210 mm
Weight	1.45 kg
Vibration Level *	2 m/s <sup>2</sup>
Sound Level **	76 dB(A)
Frequency of Strokes	150 Hz
Length of Stroke	6 mm
Maximum Air Flow	1.5 l/s
Air Pressure	6-6.5 bar
Maximum Air Pressure	8 bar
Maximum Air Temperature	35 °C
Hose Coupling	1/4 inch
Size Hose Recommended	1/4 inch

- \* per ISO 8662-1 scaling on a steel plate welded to a heavy profile. As shown in ISO 5349 there is a strong correlation between vibration level and vascular deceases such as e.g. "white fingers". 2 m/s<sup>2</sup> is a very low value. Most conventional tools have vibration levels which are several times higher.
- \*\* Idling. ( When scaling on metal the sound level is generally in excess of 85 dB(A). ) The tests were made with microphones placed 1.6 m above the floor level and 1 m from the surface of the tool with equipment according to class I (IEC 651). The labeled value is calculated as suggested in ISO 7574/2.