

FLOCCULATORS

JLT 4 AND JLT 6

FLOCCULATORS

VELP Scientifica has developed a complete line of instruments to support the lab technician working in the environmental sector and for the separation of pollutants in waste-water treatment plants in particular.

JAR TEST

The choice and dosage of the chemical coagulant to be adopted for removing suspended solids from waste-water are established based on an evaluation of the results obtained from the Jar Test.

Multiple stirrers with reproducible stirring speeds ensure repeatable and reliable results.

LEACHING TEST

This is a test on solid wastes to be sent to the dump that uses diluted acetic acid or carbon dioxide-saturated water to detect the presence of toxic heavy metals.

The **JLT 4** and **JLT 6** are multiple stirrers with **reproducible stirring speeds** allowing standard conditions to be met during analysis, a basic requirement in order to obtain **reliable and repeatable results**.

The highly **versatile** stainless steel stirring shafts offer height adjustment and are fitted with a self-locking device with clutch.

The sample can be **backlit** for **easier reading**.

The instrument has an **ergonomic design** and the control panel is sloped to facilitate **parameter settings** and readings. The rotation speed can be set from 10 to 300 rpm, with 1 rpm intervals, the time remaining can be set in hours or minutes.

UK, AU and USA adapter plugs are available on request.

| INSTRUMENT | POWER SUPPLY | CODE No |
|------------|----------------------|-----------|
| JLT 4 | 100÷240 V / 50-60 Hz | F105A0108 |
| JLT 6 | 100÷240 V / 50-60 Hz | F105A0109 |



FP4

The **FP4** is the **portable flocculator** that can be connected to a battery or a car cigarette lighter.

The anti-skid base ensures **stability** whilst the highly versatile stainless steel stirring shafts offer height adjustment and are fitted with a self-locking device with clutch.

The FP4 is particularly suitable for carrying out on-site Jar Tests.

The **carrying case**, an optional accessory, is ideal for storing or transporting the unit.

UK, AU and USA adapter plugs are available on request.

| INSTRUMENT | POWER SUPPLY | CODE No |
|------------|---------------------|-----------|
| FP4 | 100÷240 V / 50-60Hz | F105A0117 |



FC4S AND FC6S



The **FC4S** and **FC6S** are **highly resistant** to chemical and mechanical aggression and corrosion.

The highly versatile stainless steel stirring shafts offer height adjustment and are fitted with a self-locking device with clutch.

The sample can be **backlit** for **easier reading**.

Motion is transmitted by four (in the case of the FC4S) or six (in the case of the FC6S) direct current gear motors in order to ensure **optimum performance** and **reproducibility** even at low speeds.

With 9 different speed settings for each position the instrument is **totally flexible**; the stirring speed can be set using the selectors on the front panel (10-15-30-45-60-90-120-150-200-300 rpm).

UK, AU and USA adapter plugs are available on request.

| INSTRUMENT | POWER SUPPLY | CODE No |
|------------|----------------------|-----------|
| FC4S | 100÷240 V / 50-60 Hz | F105A0111 |
| FC6S | 100÷240 V / 50-60 Hz | F105A0112 |



GENERAL FEATURES AND PERFORMANCE

| | JLT 4 | JLT 6 | FC4S | FC6S | FP4 |
|-----------------------|---------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|------------------------------|
| NUMBER OF POSITIONS | 4 | 6 | 4 | 6 | 4 (portable) |
| INDEPENDENT POSITIONS | | | • | • | |
| SPEED SETTINGS rpm | from 10 to 300 | from 10 to 300 | 10-15-30-45-60-90-120-150-200-300 | 10-15-30-45-60-90-120-150-200-300 | 20-40-50-100-200 |
| TIME SETTINGS | 0÷999 min 0÷99 hours continuous | 0÷999 min 0÷99 hours continuous | - - continuous | - - continuous | 0÷30 min - continuous |
| LIGHT | disconnectable backlight | disconnectable backlight | disconnectable backlight | disconnectable backlight | disconnectable central light |
| DIMENSIONS (WxHxD) mm | 645x347x260 | 935x347x260 | 645x347x260 | 935x347x260 | 250x320x250 |
| (in) | (25.4x13.7x10.2) | (36.8x13.7x10.2) | (25.4x13.7x10.2) | (36.8x13.7x10.2) | (9.8x12.6x9.8) |
| WEIGHT Kg (lb) | 13 (28.6) | 17 (37.4) | 12.5 (27.5) | 18 (39.6) | 4.8 (10.6) |
| POWER SUPPLY | 100÷240 V | 100÷240 V | 100÷240 V | 100÷240 V | 100÷240 V |
| POWER | 11 W | 19 W | 18 W | 23 W | 6 W |

JLT 4, JLT 6, FP4, FC4S, FC6S ACCESSORIES

| INTERCHANGEABLE PLUGS | CODE No |
|---------------------------------------|----------|
| JLT 4/JLT 6/FC4S/FC6S US plug | 10003722 |
| JLT 4/JLT 6/FC4S/FC6S UK plug | 10003723 |
| JLT 4/JLT 6/FC4S/FC6S Australian plug | 10003724 |
| FP4 US plug | 10003083 |
| FP4 UK plug | 10003084 |
| FP4 US Australian plug | 10003085 |

OPTIONAL ACCESSORIES

| OPTIONAL ACCESSORIES | CODE No |
|---------------------------------|-------------|
| Plastic beaker, 1000 ml | A00001000 |
| Glass beaker, 1000 ml | A00001001 |
| Transparent plastic Imhoff cone | A00001002 * |
| Graduated glass Imhoff cone | A00001003 * |
| Stand for 2 Imhoff cones | A00001004 * |
| FP4 Carrying case | A00001005 |
| IQ/OQ Manual JLT | A00000319 |
| IQ/OQ FC4S - FC6S Manual | A00000379 |

* only for JLT 4, JLT 6, FC4S and FC6S