

COLTRI
COMPRESSORS



**FILTER LIFE
3 TIMES LONGER**



IMPROVED AIR QUALITY

**LESS CORROSION
OF THE INTERNAL
MECHANICAL PARTS**

**CYLINDERS RECHARGE
WITH ALWAYS
CONSTANT PERCENTAGE
OF HUMIDITY**

NEW MCH 30

WITH INTERSTAGE DRYER



AEROTECNICA COLTRI® S.p.A.

via Colli Storici 177

25010 San Martino della Battaglia - Brescia - ITALY

Tel: +39.030.99.103.01 +39.030.99.102.97

Fax: +39.030.99.10.283

www.aerotecnicacoltri.it coltrisub@coltrisub.it



SPECIFICATIONS

Charging rate **500 L / min - 30 m³ / h**

Filling time cylinder 10 L - 0-200 Bar **4 min**

Working pressure **225 Bar - 300 Bar**

Rpm pumping unit **1200**

Driven by **Three-phase electric motor**

Power

9 Kw (400 V - 50 / 60 Hz) (230 V - 50 / 60 Hz)

Full load Amps

22 A (400 V - 50 Hz) 38 A (230 V - 50 Hz)
20 A (400 V - 60 Hz) 35,5 A (230 V - 60 Hz)

Dimensions

height 179 cm / 70" - width 82 cm / 32"
depth 133 cm / 52"

Dry weight **420 Kg, 925 lbs**

Noise **70 dB**

Number stages and cylinders **4**

Lubricating oil capacity **4500 cc (4,5 L)**

Lubricant **Coltri Oil CE 750**

Frame **Powder coated steel**

Oil/moisture separators **2 interstage, 1 last stage**

Filtration

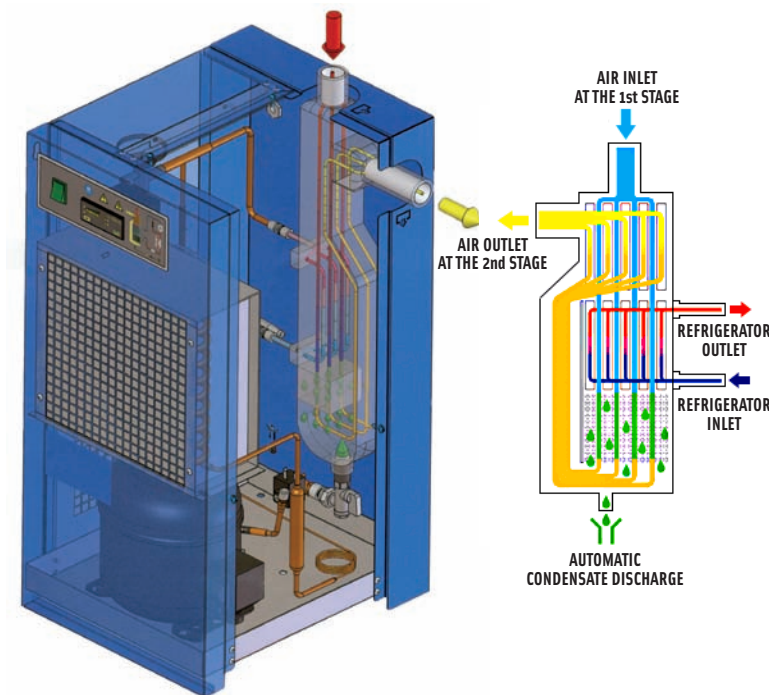
2 Hyperfilter active carbon and molecular sieve

Safety valve **3 interstage, 2 last stage**

Interstage coolers and after coolers **Stainless steel**

Breathing air **EN 12021 CGA E**

FUNCTION OF THE INTERSTAGE DRYER



The incoming air, warm and humid, enters the air-air exchanger. Then, it goes into the evaporator (air-refrigerant exchanger) where **air cools** down to approximately 2° C, thus allowing the humidity inside to **condensate** and be discharged automatically in the suitable receiver. **Cold and dry air** returns to the air-air exchanger in order to be warmed up again before it leaves the dryer; the outlet temperature is approximately 8 degrees lower than the inlet temperature.