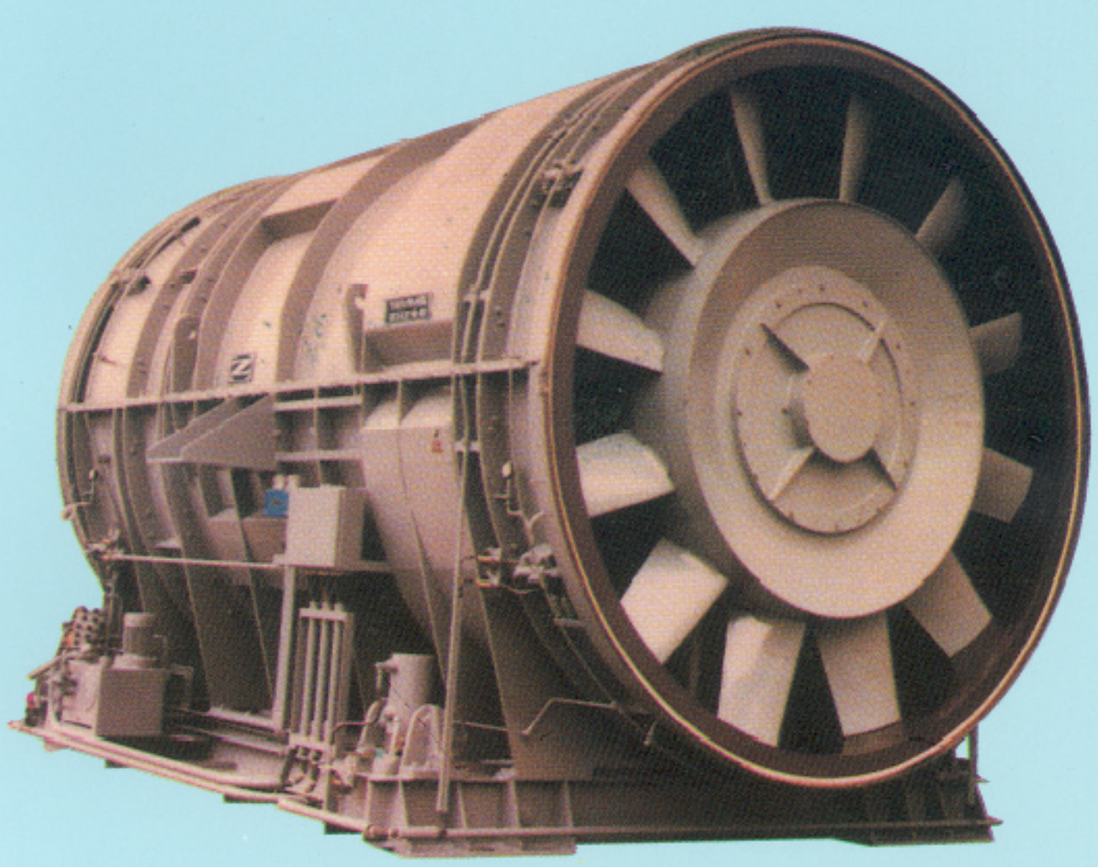
AXIAL FLOW FANS

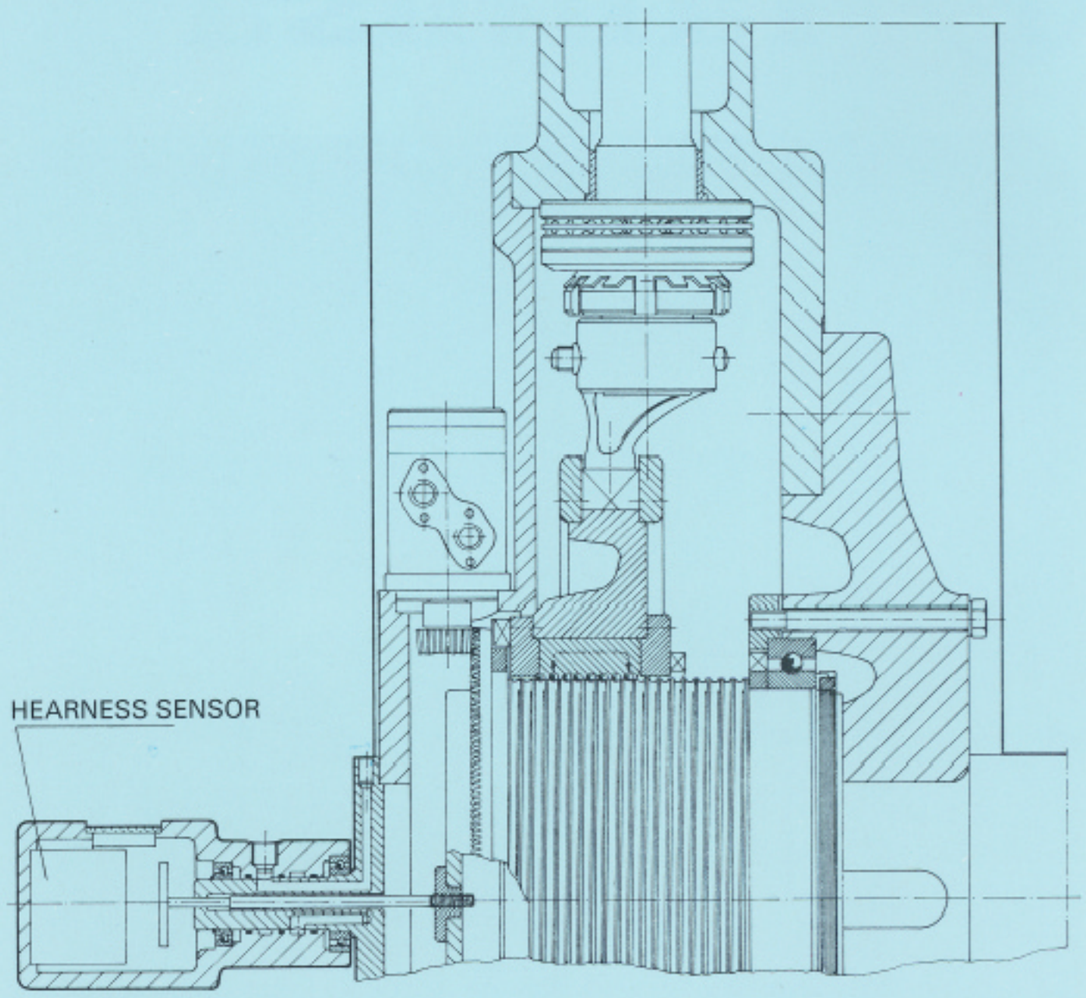
zitrón

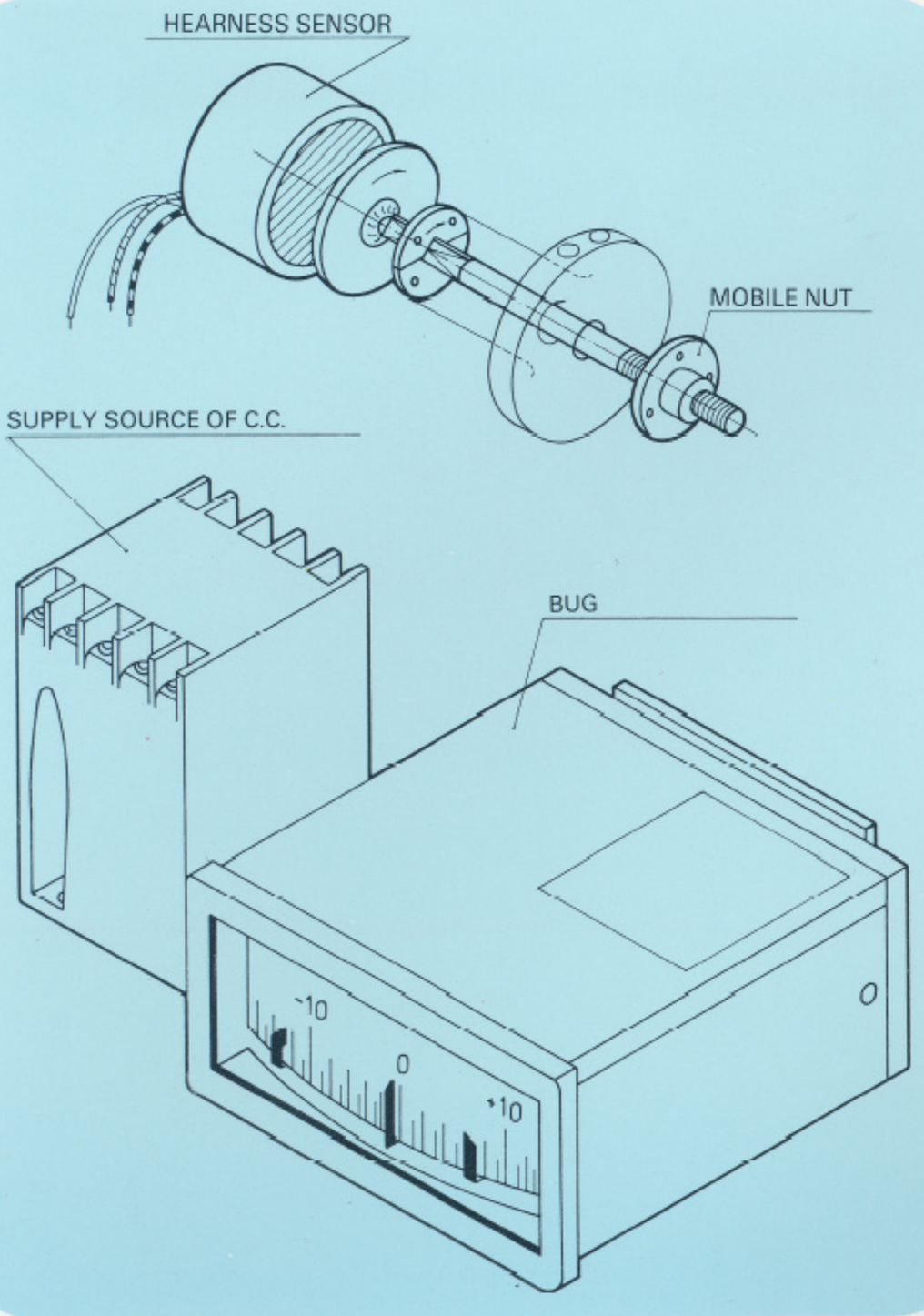
FANS WITH ELECTRIC DRIVING

- UNDERGROUND MINING
- TUNNELLING
- DUST COLLECTING STATIONS
- IRON AND STEEL INDUSTRY
- CHEMICAL INDUSTRY
- PUBLIC WORKS
- THERMAL POWER STATIONS

BLADE ADJUSTING







ADJUSTING SYSTEMS

- INDIVIDUAL ADJUSTNG

  The blades have to be adjusted one by one with the fan stopped.

- CENTRAL ADJUSTING

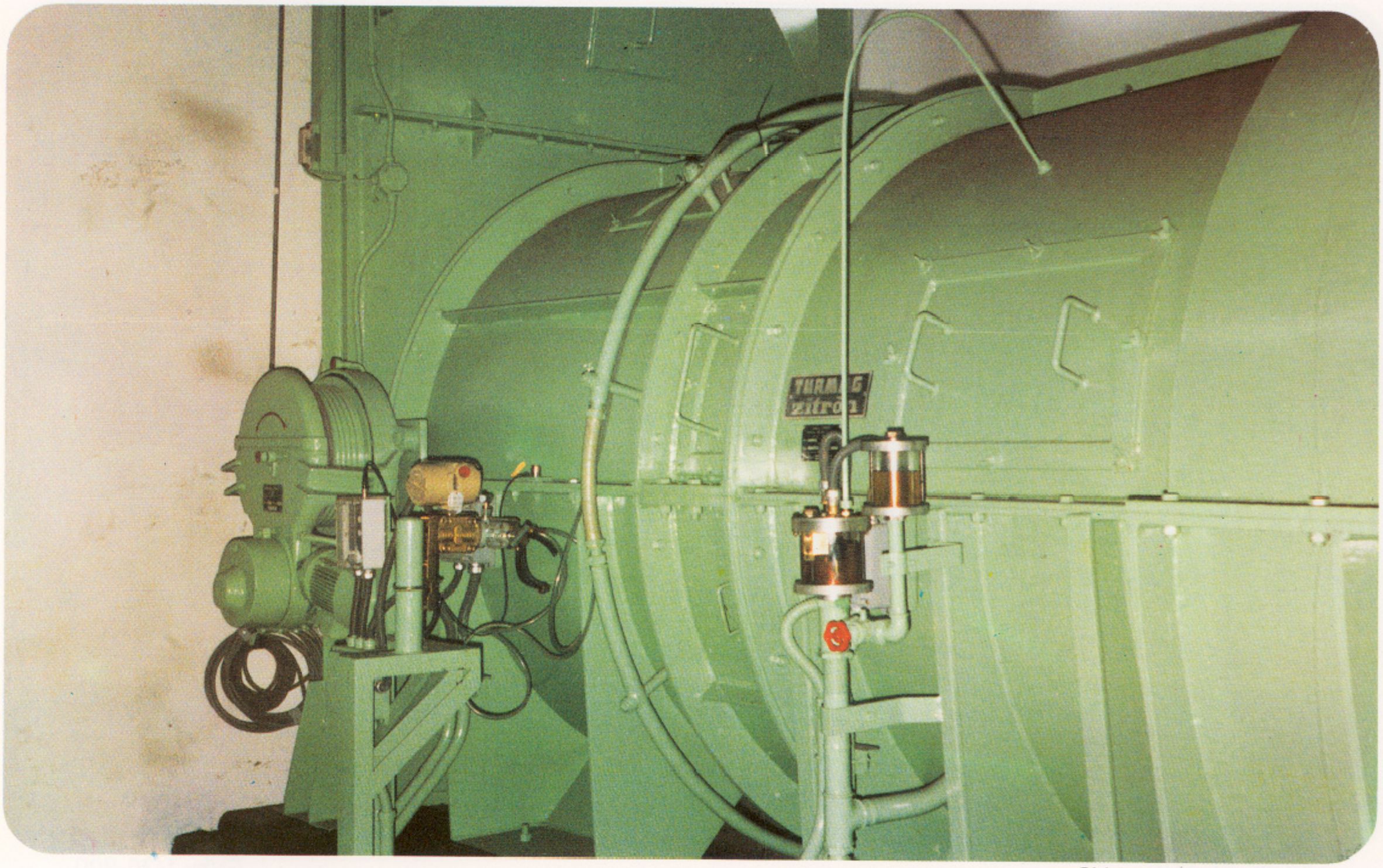
  With this system all the blades which make up the impeller are rotated at the same time.

- HYDRAULIC ADJUSTING

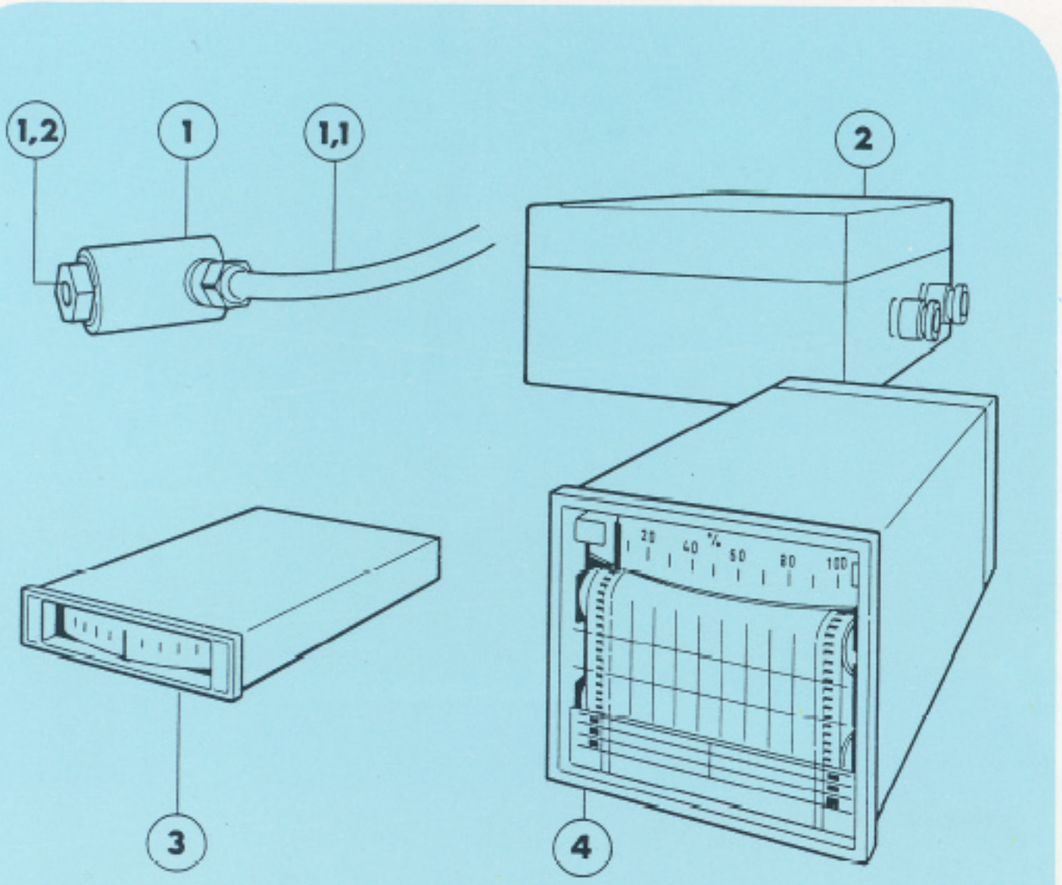
  A mechanism, driven by a hydraulic motor, changes at the same time the blades assembly working angle.

  This can be done with the fan working.

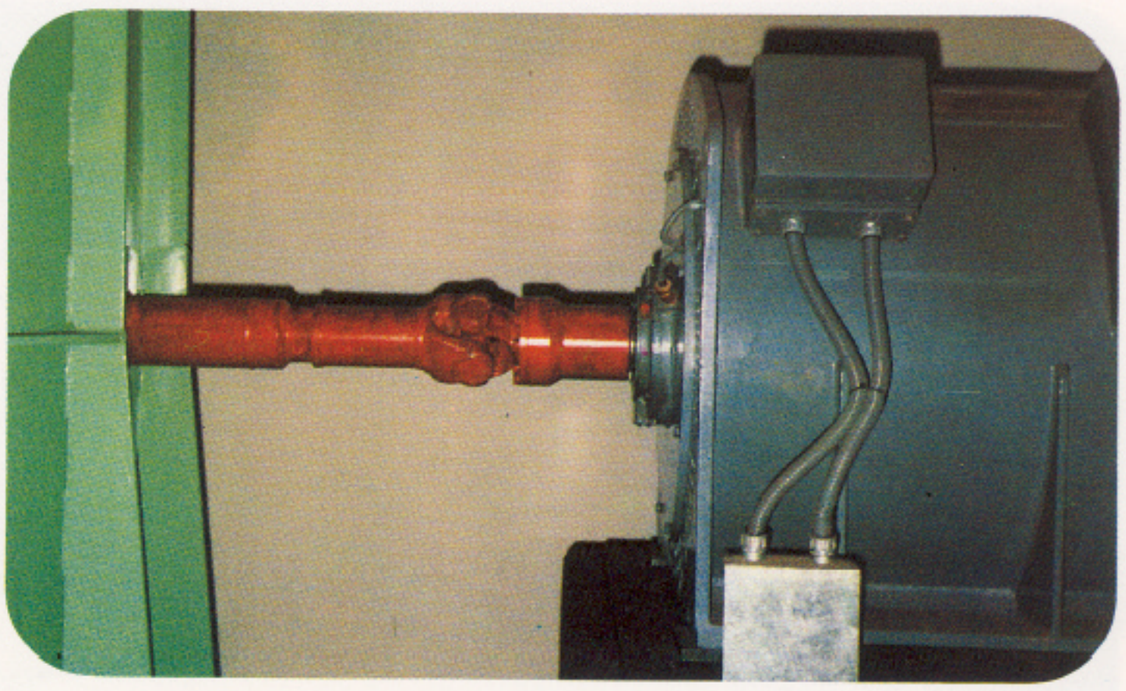
CONTROL PARTS



GV 1-18-340/4-60/8



1 VIBRATION SENSOR
1.1 CONNECTING CABLE
1.2 CONNECTING FILLET
2 MEASURING AMPLIFIER
3 INDICATING
4 DIAGRAMMING APPARATUS



- Oil level control in impeller support.
- Temperature detector in the bearings.
- Vibration control.
- Volume flow and pressure indicators and recorders.
- Pumping point detectors.

CONSTRUCTION TYPES

ZVN – Fans in horizontal construction, driven by B-3 motors. The impeller is directly fitted in the motor shaft.

ZV – Fans in horizontal construction with transmission between electric motor and impeller by means of cardan shaft.

ZEL – Fans in horizontal construction driven by electric motors, flameproofed. The impeller is directly fitted in the motor shaft.

GV – Fans in horizontal construction with vertical diffuser. The force between motor and impeller is transmitted by a drive shaft with intermediate supports.

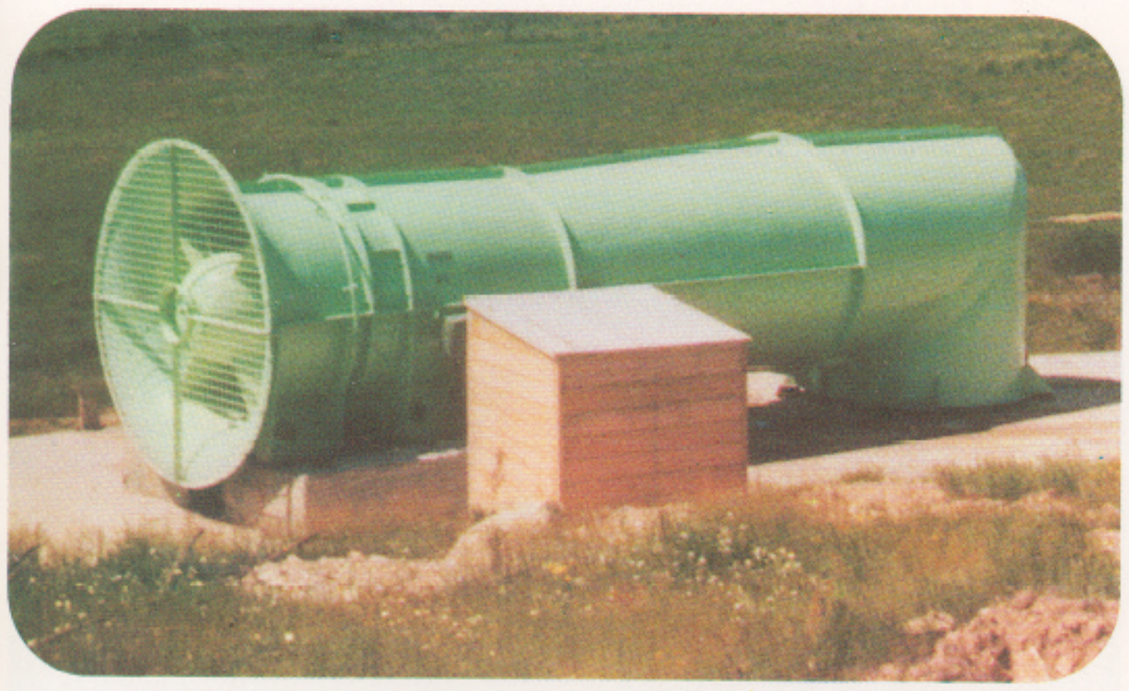
GVNV– Fans in vertical construction, with impeller directly fitted in the driving motor shaft.

GVhv 1-26-900

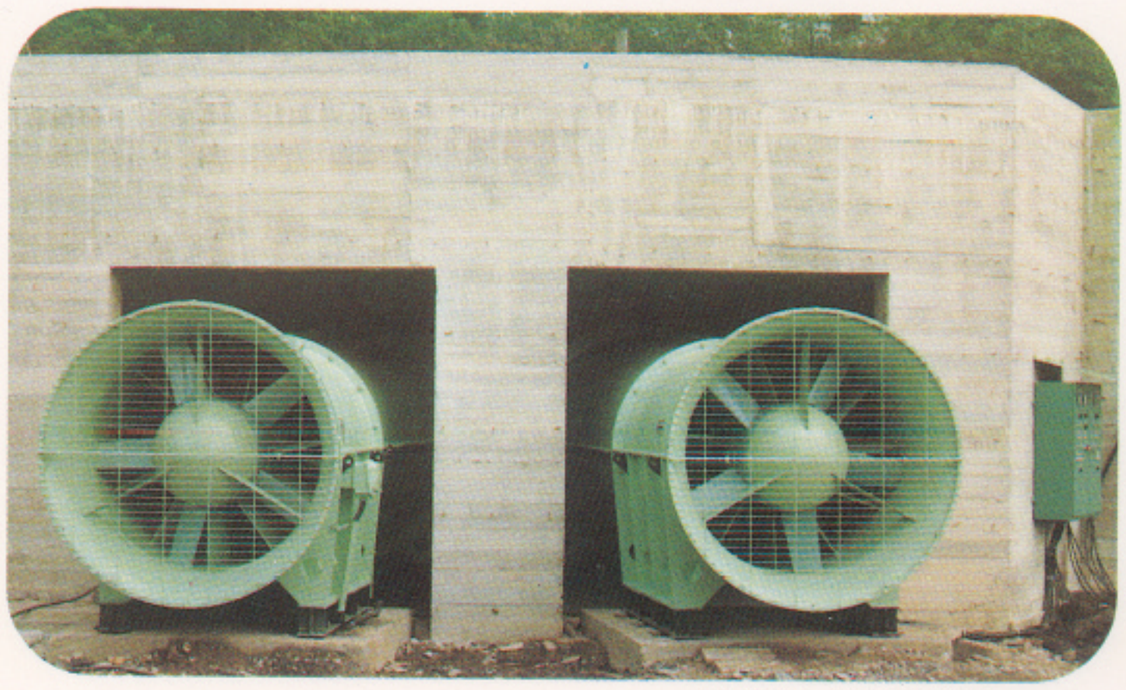
ZVN 1-16-280/4

CONSTRUCTION TYPES

GV 1-16-250/4



ZVN 1-18-110/6/8

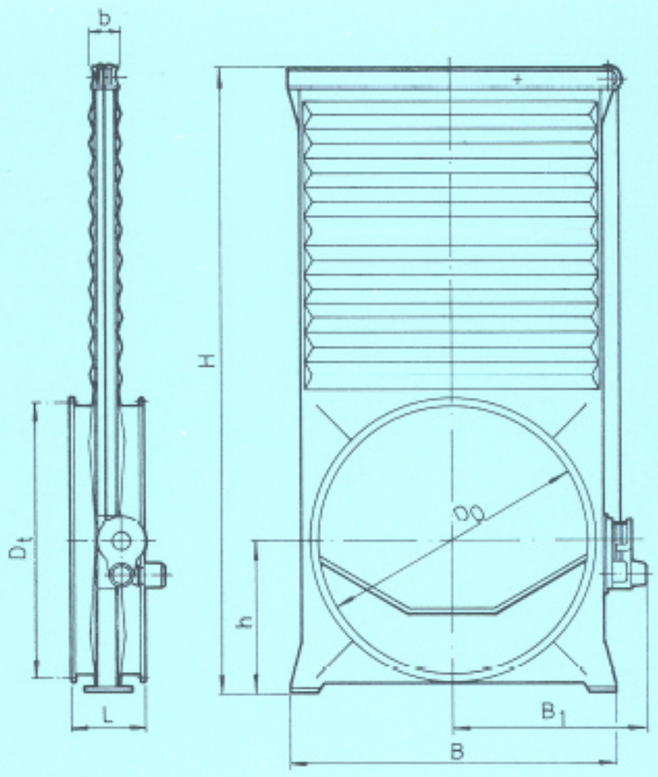


ZVN 1-16-75/4

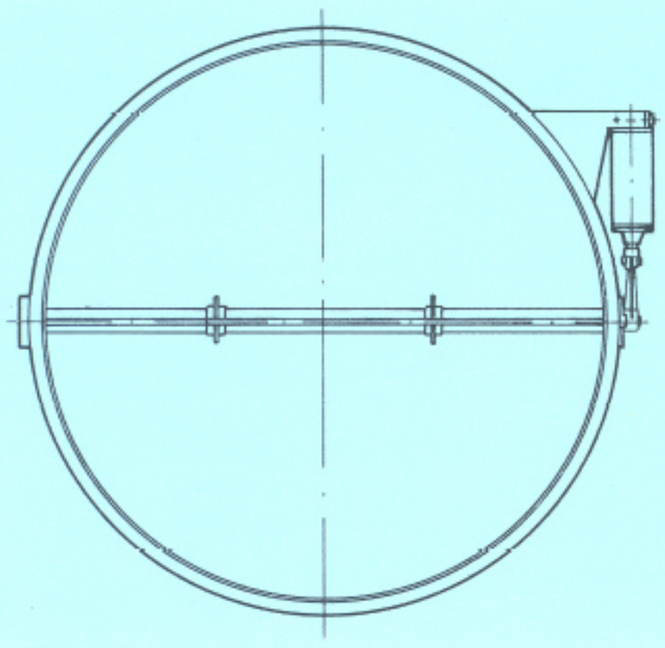
ZVN 1-20-125/6-75/8

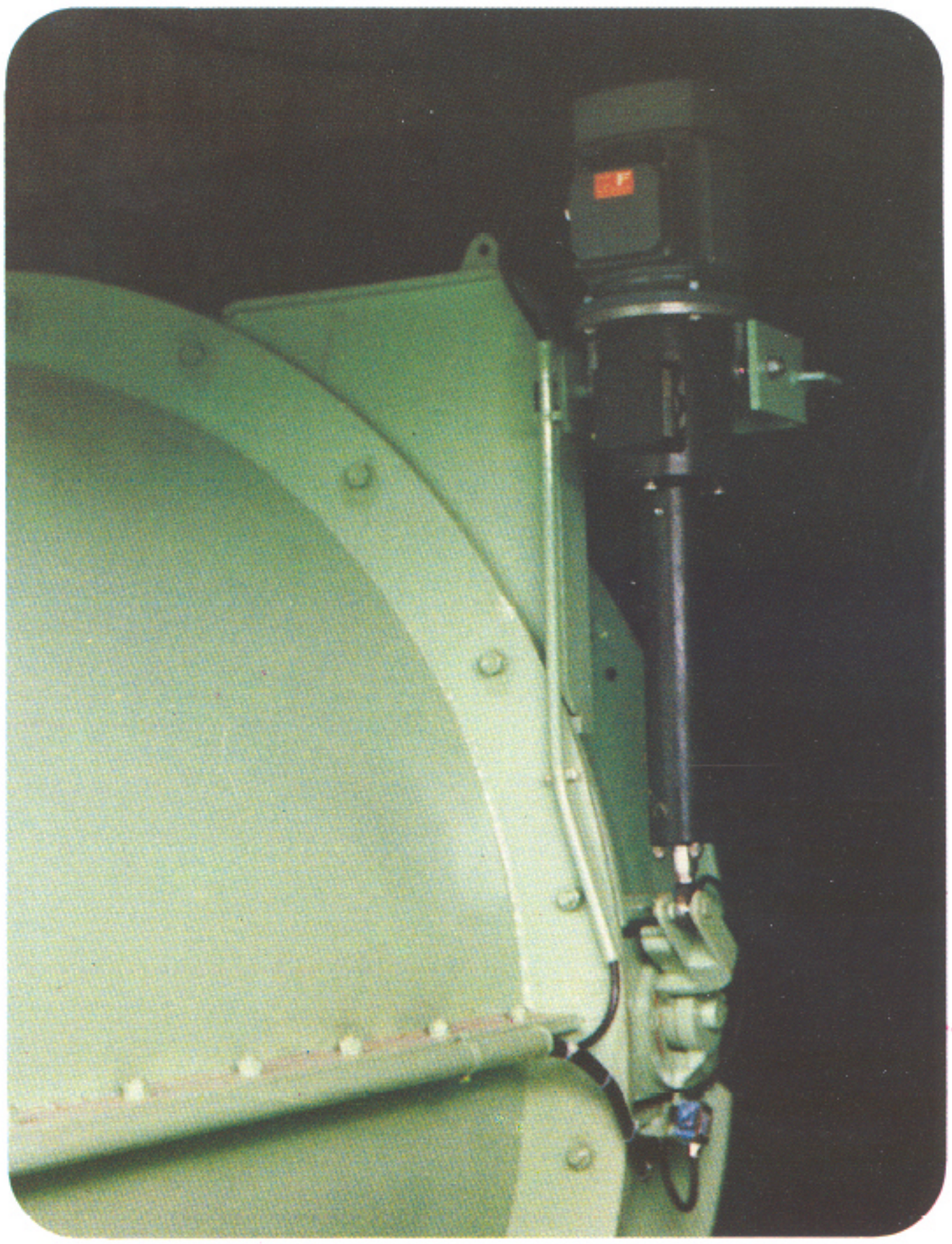
ZVN 1-16-280/4

ADJUSTING SYSTEMS



D_0	B	B_1	b	H	h	L	Brida D_t
1.200	1.800	1.260	200	3.650	850	400	1.320
1.400	1.800	1.360	200	3.750	950	400	1.520
1.700	2.300	1.510	200	4.450	1.140	400	1.820
1.800	2.300	1.560	200	4.500	1.150	500	2.000
2.000	2.500	1.660	250	5.300	1.100	500	2.216
2.200	2.700	1.760	250	5.700	1.200	500	2.416
2.400	2.900	1.860	250	6.070	1.400	500	2.716
2.800	3.300	2.060	300	6.800	1.600	500	2.920
3.000	3.500	2.160	300	7.200	1.700	500	3.120
3.100	3.700	2.210	300	7.500	1.850	500	3.316
3.200	3.700	2.260	300	7.600	1.800	500	3.320
3.400	3.900	2.360	300	8.200	2.000	500	3.520
3.600	4.100	2.460	300	8.600	2.100	500	3.720
3.800	4.300	2.560	400	9.000	2.200	500	3.920
4.000	4.500	2.660	400	9.400	2.300	500	4.120





- SLIDE GATE

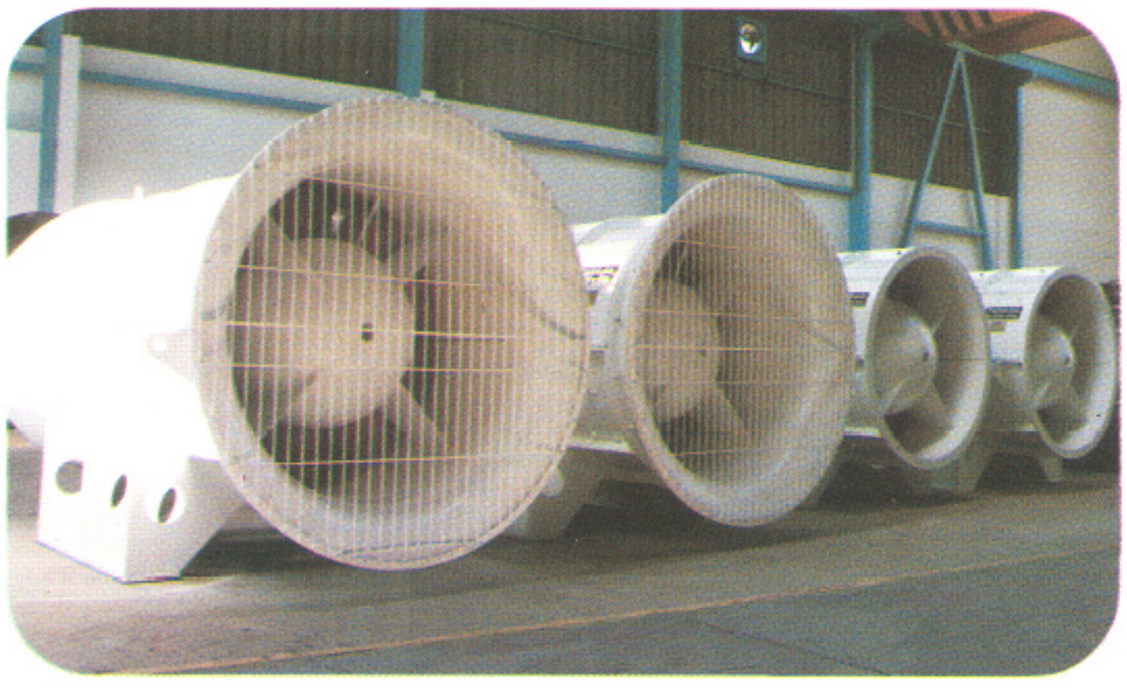
  Its shutdown plate moves over shaped guides and it is driven by an electric security winch, with emergency hand control device.

- FLAP

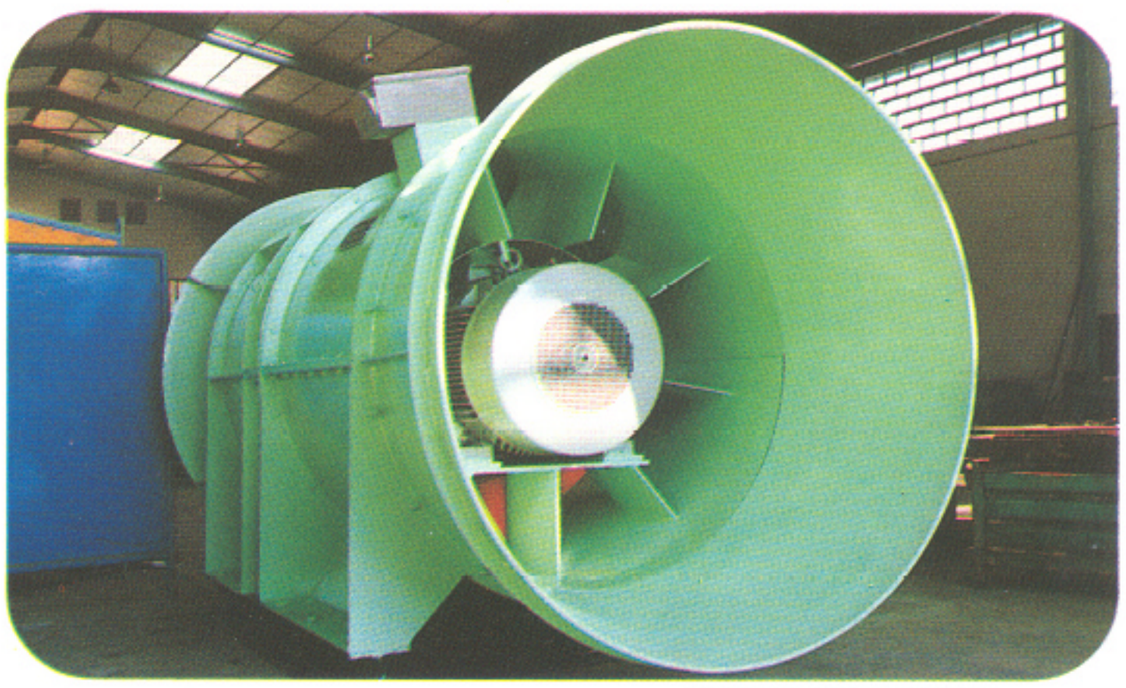
  It's installed in the pressure side and it is driven by an electric cylinder. The tipping shaft is supported by antifriction bearings.

TUNNELLING

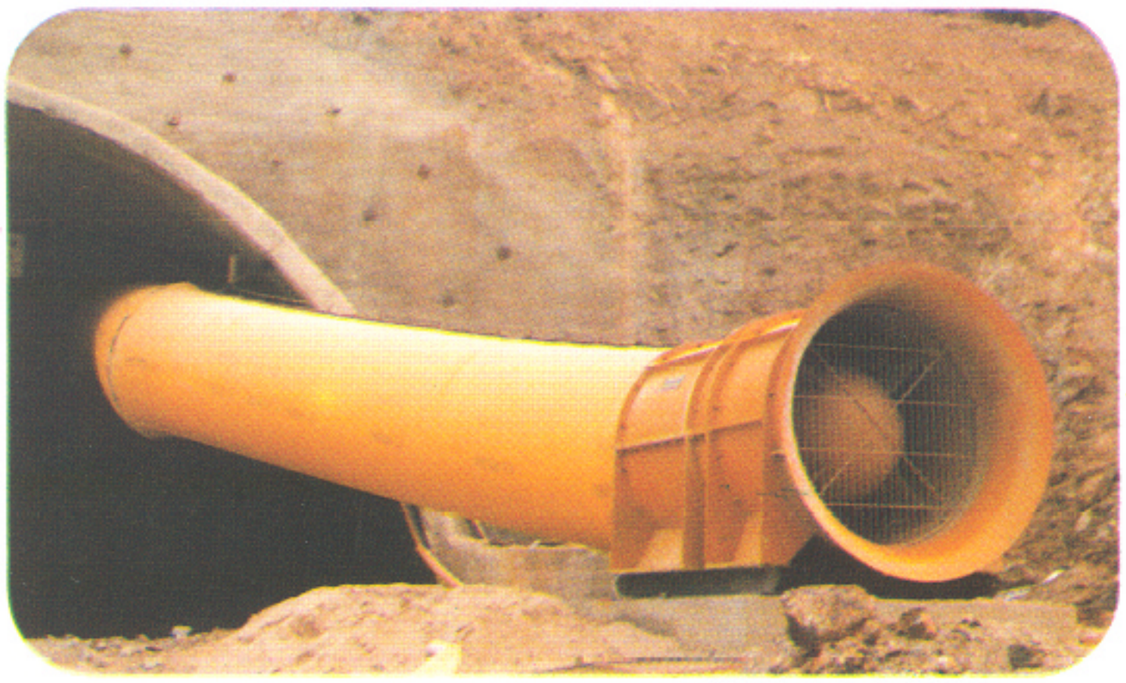
ZEL 12d-55/4



ZEL 12d-55/4



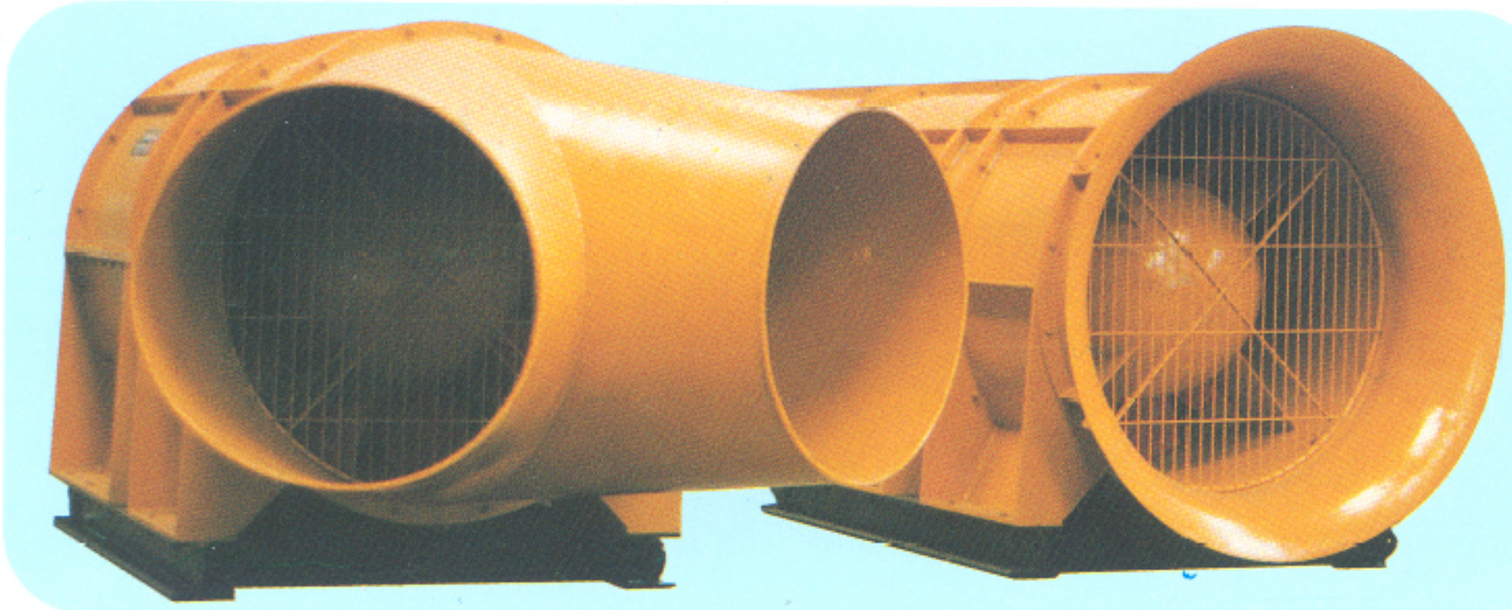
ZVN 1-14-110/4

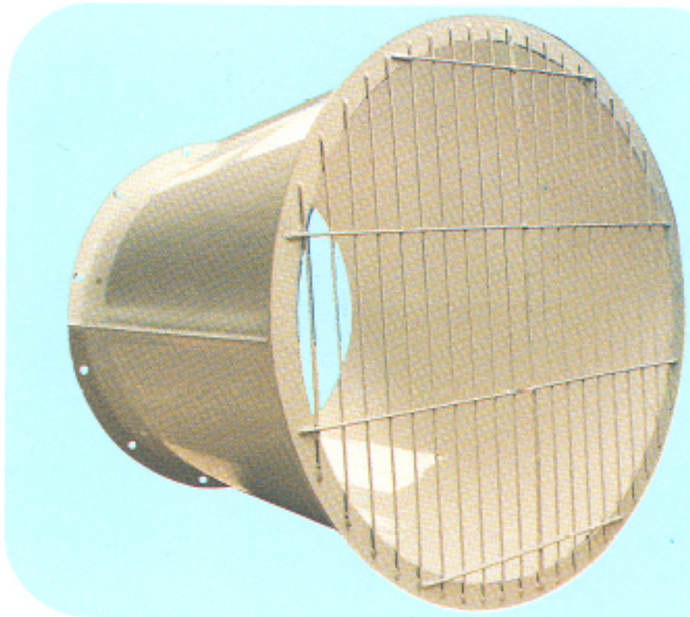


ZVN 1-14-90/4

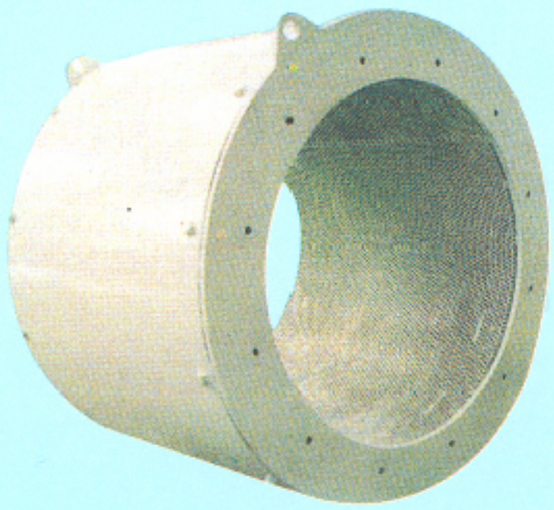
- Fans for cul-de-sac, during the tunnelling.
- Supplied with the necessary elements to connect them to piping or dust collectors.
- They can be mounted on rubbing piece.

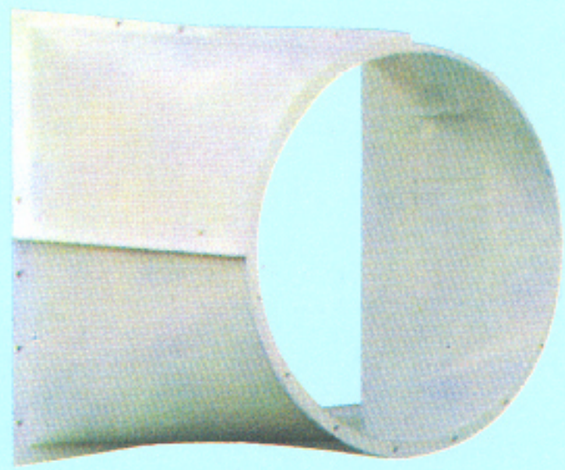
EQUIPMENTS

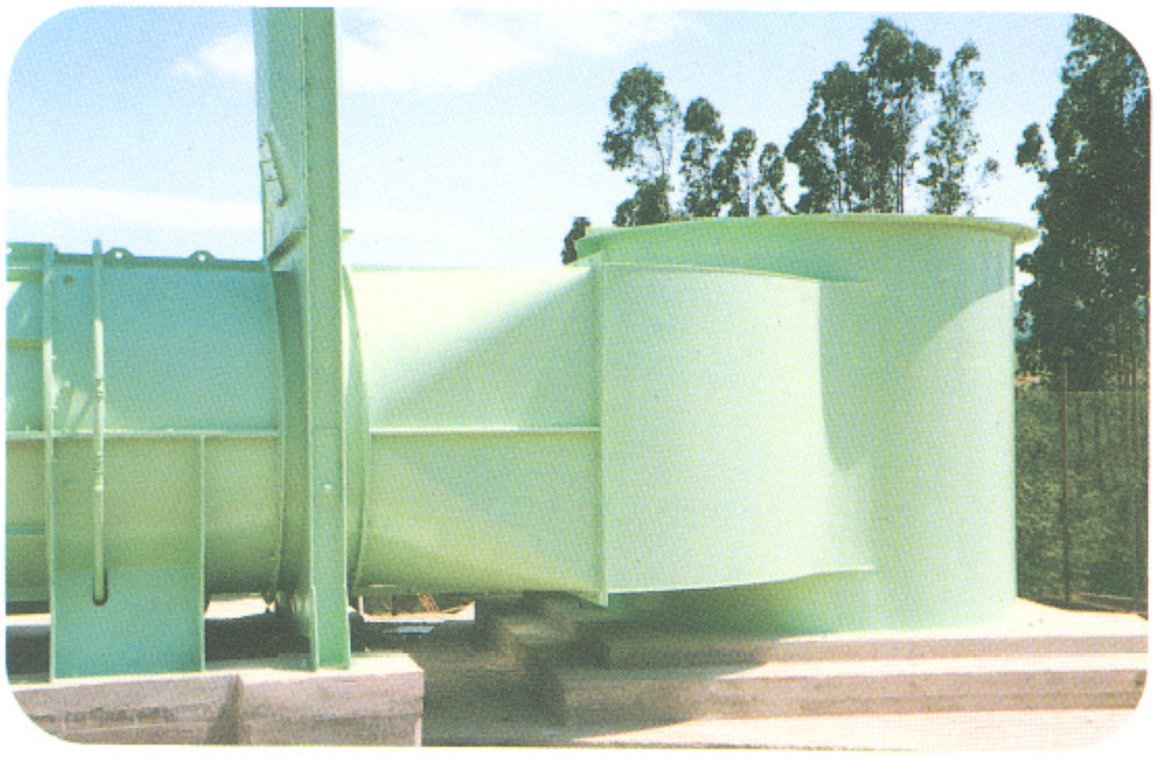


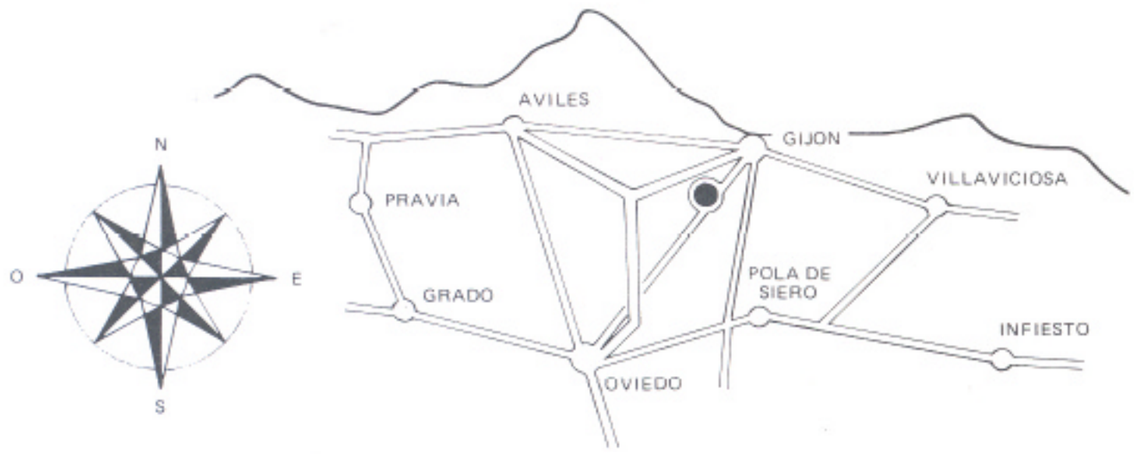


- SILENCERS
- MEASURING EQUIPMENTS
- BIFURCATIONS
- SLINGER BENDS
- DEFLECTIONS
- PROTECTIONS
- INLET VANES
- CONNEXIONS TO THE HOLE









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mining and public works machinery

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