G3 Damper Drive Modules

KEY FEATURES

- Long maintenance-free life
- 2 million operations warranty
- Integral manual override compact assembly
- Robust construction with durable finish
- Direct mount control modules
- Same mounting footprint available to replace existing equipment
- Infinite lever arm adjustment Interfaces with existing installations
- Manual override usable with actuator removed
- 40 years actuation experience

OPTIONS

- Double acting and spring fail-safe (open or closed)
- Modulating (3-15 psi and 4-20mA or digital positioning)
- Fail to low signal
- Lock in last position
- Limit switch remote position indication
- 4-20mA angle retransmission
- High visibility position indication
- Handwheel extension
- Remote manual override status

SPECIFICATION

CASING - Sand cast LM25 and mild

FINISH - Epoxy stove enamel.

SEALS - Nitrile rubber 'O' ring seals.

TEMPERATURE RANGE

Standard -20°C to 80°C (-4°F to 175°F)

Consult Kinetrol regarding applications outside this range.

*Patent No: US 6,393, 931 B1

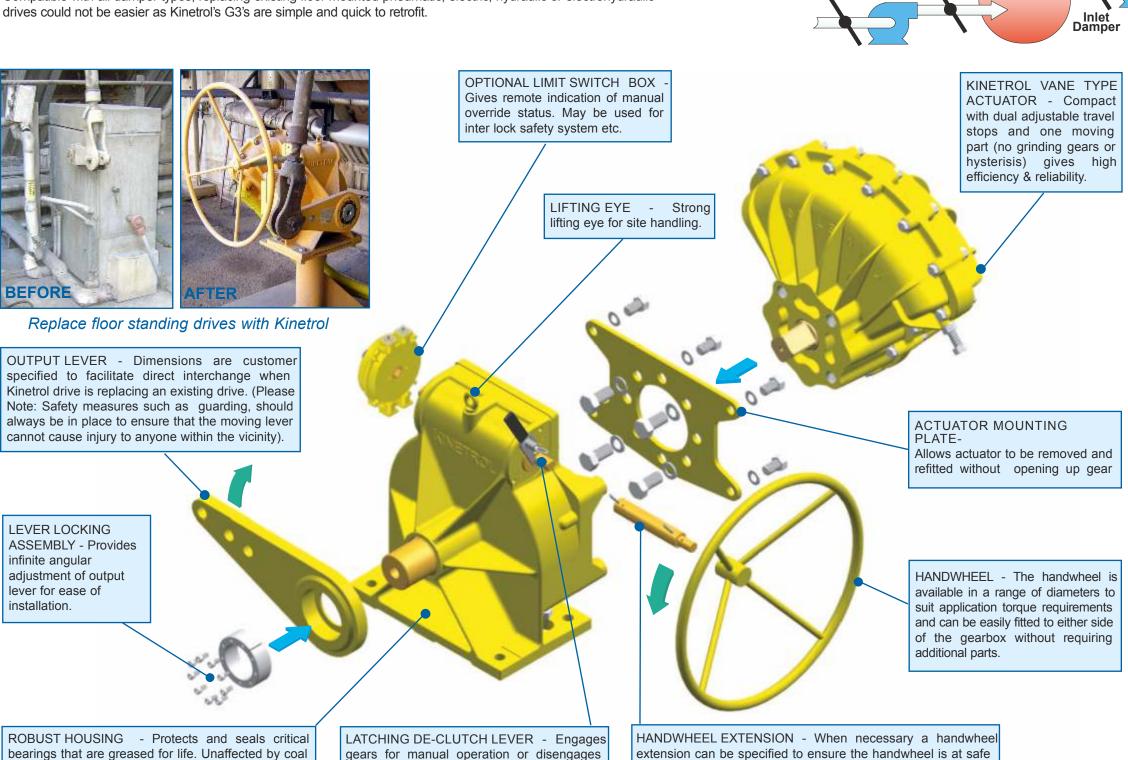
dust, fly ash and moisture etc.

G3 Drives are purpose designed solutions to air/gas flow control problems in new or existing burner, heater, boiler and turbine systems in power plants and a wide range of industrial applications.

The patented* G3 Damper Drive units set a new standard for control and durability. Combining the proven performance and reliability of Kinetrol's vane type actuator with an equally rugged integral manual override/mounting frame, the new damper drive is compact and unbeatable when it comes to control accuracy and cycle life.

Kinetrol's vane type rotary pneumatic actuator eliminates the lost motion and wear associated with geared drives and the conversion from linear to rotary motion. This results in a long maintenance-free life (reducing down time and maintenance costs) and improved control (cutting fuel and production costs).

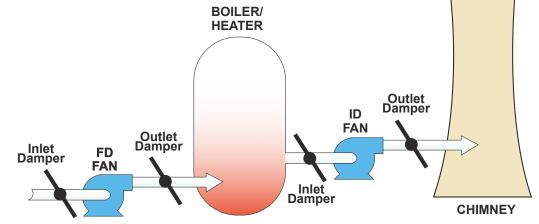
Compatible with all damper types, replacing existing floor mounted pneumatic, electric, hydraulic or electrohydraulic



distance from output lever to avoid risk of operator injury.

gears for pneumatic operation.

An example of the layout in a 'typical' combustion system where Dampers are used for air flow control.



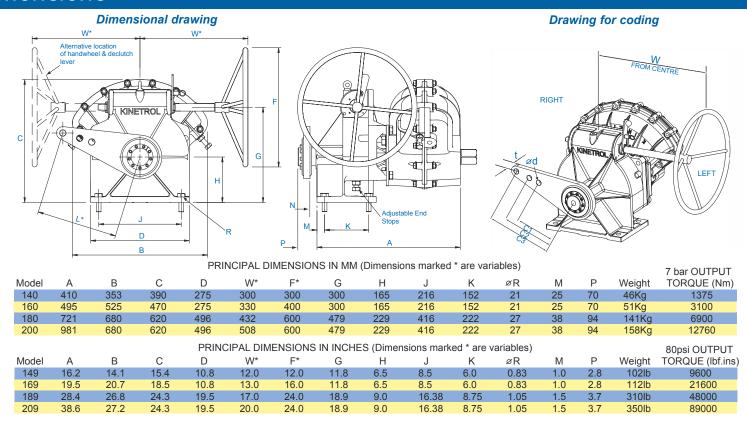
Key Industries Include:

- Power Generation
- Petrochemical
- · Iron, Steel & Metals
 - Cement
- Paper & Pulp
 - Sugar
- Hospitals

Opportunities to put the Kinetrol Damper Drive to Work

- Crossover Dampers
- Forced-Draft Fan Dampers
- Induced-Draft Fan Dampers
- Fuel Nozzle Positioning Control
- Gas-Recirculation Fan Dampers
 - Hot Air Dampers
 - Primary-Air Dampers
- Secondary (Auxiliary) Air Dampers
 - Tertiary Air Dampers
 - Tempering Air Dampers
 - Variable-Inlet Vane Dampers
 - · Cyclone Air
 - · Pulverisor Air/Fuel Ratio
 - Flue Gas Recirculation
 - · Backdraft Damper
 - · Baghouse Service
 - Gas Turbine Intake & Exhaust
 - Desulphurisation

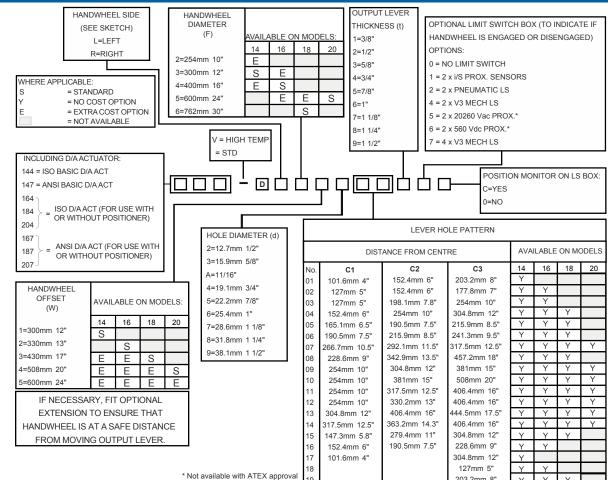
Dimensions



W* Table shows default dimensions, Longer offsets are available

The weights listed above exclude the weight of the actuator, please see catalogue for actuator weights

Ordering Codes



The policy of Kinetrol is one of continuous improvement. We product as described and illustrated without notice. For confirmation of the current specification, contact Kinetrol

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KINETROL AIRIGAS FLOW DAMPER DRIVE