

For over 60 years, Arkwin has been selected by aircraft manufacturers to design solutions for directional flow and system pressure challenges. Our valve module products reach across many aircraft platforms and installations for civil and military applications.

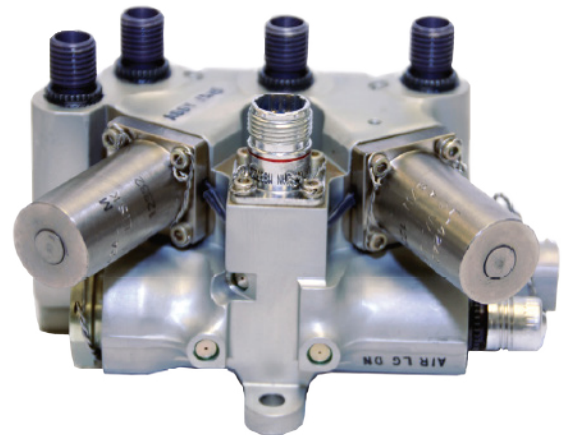
Arkwin has designed and manufactured more than 40 integrated valve modules.

Applications Include:

- Landing gear operation
- Door actuation
- Engine control
- Thrust Reverser control
- Secondary flight control

Design Characteristics:

- Multiple sequence and manual operation
- Operating pressures up to 5,000 psig
- Multiple integrated control valve features
- Integral system filtration features
- Single function through integrated valve module assemblies



Operational Characteristics:

- Provide directional control flow for hydraulic systems
- Multi-function valve modules provide actuation and system control logic
- Can be used for integrating multiple line mounted items in a single assembly
- System relief and pressure reduction

Platforms

A320	A-10	MD900
G-V	C-130	S-76
HA-420	F/A-18	CH-47
CF6	F-22	CH-53E
F404	V-22	H-92
T700	F-35	CH-53K

Who Is Arkwin?

Arkwin Industries is the technical expert in all things hydraulic for aerospace and defense. We design, test, manufacture, and support precision hydraulic and fuel system components for civil and military fixed-wing aircraft, helicopters, spacecraft, turbine engines, and other special applications.

Our reputation for quality and reliability, as well as our location, allow us to attract some of the best engineering, technical, and manufacturing talent available.

Sample Valves

Part Number	Operating Pressure (PSI)	Valve Configuration	Nominal Flow Rate (GPM)	Application	Platform
0711322	3000	4W3P & Emergency Override	8.5	Landing Gear Control Valve	Military
0711561	3000	2x 4W3P & Emergency Override	3.0	Landing Gear and Door Control Valve	Business Jet
0911077	3000	4W3P & Emergency Override	2.5	Landing Gear Control Valve	Rotary
0711572	4000	4W3P	6.0	Door Control Valve	Military
0711570	5000	2x 3W2P Filter Module Check Valve	12.0 & 7.0	Starter & EAPS Control Valve	Military

Key Features

Relief Valves

- Manual operation available
- High pressure relief valves with and without manual dump feature
- Soft-seat low pressure valves
- Cartridge construction

Pressure Reducers

- In-line valves with integral relief valve function
- Damped spool construction
- Regulation from full flow to near zero flow conditions

Flow Regulators

- Pressure compensated flow control from 300 to 4,000 psid
- Dampened spool and sleeve construction with over-shoot bypass flow path

Directional Control Valves

- 3-way and 4-way two and three position spool type solenoid operated valves
- Pressure driven in both directions or spring return
- Dual or single coil solenoids



Arkwin Industries, Inc.
 686 Main Street
 Westbury, NY 11590
www.arkwin.com
sales@arkwin.com
 (516) 333-2640