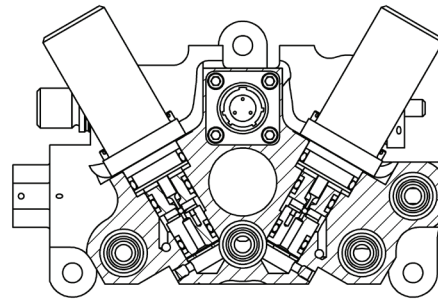




Hydraulic Control Valves

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 over 200 in-line relief valve variants and more than 40 integrated valve modules.



Applications include

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

Operational Characteristics

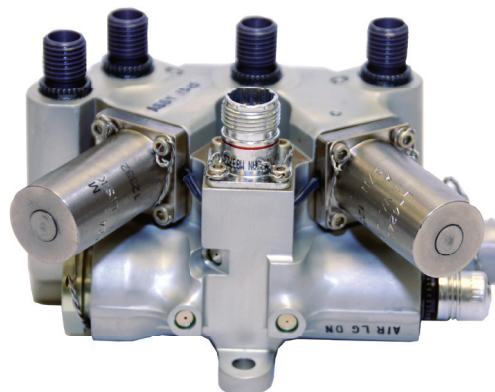
- Provide directional control flow for hydraulic systems
- Multi-function valve modules provide actuation and system control logic
- Can be used as stand alone assemblies for in-line system relief and pressure reduction

Platforms

A-320	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		

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



Hydraulics Leader for
Aerospace and Defense

Selected 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

Flow Regulators

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

Pressure Reducers

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

Directional Control Valves

- 3-way and 4-way two and three position spool type 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