



SERIES DA/DS | MERCROID® BY DWYER



PRESSURE

BOURDON TUBE PRESSURE SWITCHES

Pressure Ranges to 8000 psi (551.6 bar)

MODEL CHART - D SERIES PRESSURE SWITCH WITH SNAP ACTION SWITCH AND GENERAL PURPOSE ENCLOSURE							
Bourdon Tube Material	Adjustable Operating Range (psig)	Adjustable Deadband SPDT: 10 A @ 120/240 VAC		Fixed Deadband SPDT: 15 A @ 120/240 AC		Hermetically Sealed, Fixed Deadband SPDT: 5 A @ 120/240 VAC, 5 A res. @ 30 VDC	
		Minimum Deadband (psig)	Model	Fixed	Model	Fixed	Model
Brass	0 to 30" Hg VAC	13.5" Hg	DA-7031-153-2	3" Hg	DS-7231-153-2	5" Hg	DS-7331-153-2
Brass	10" Hg VAC to 12	6	DA-7031-153-3	1.5	DS-7231-153-3	3	DS-7331-153-3
Brass	25" Hg VAC to 50	12	DA-7031-153-27	2.5	DS-7231-153-27	3.75	DS-7331-153-27
Brass	1/8 to 15	6	DA-7031-153-1	1.5	DS-7231-153-1	3	DS-7331-153-1
Brass	1/8 to 20	6	DA-7031-153-3A	1.5	DS-7231-153-3A	3	DS-7331-153-3A
Brass	1 to 35	7.5	DA-7031-153-4	1.5	DS-7231-153-4	3	DS-7331-153-4
Brass	2 to 60	9	DA-7031-153-5	2	DS-7231-153-5	3	DS-7331-153-5
Brass	5 to 100	13.5	DA-7031-153-6	2.5	DS-7231-153-6	3.75	DS-7331-153-6
Brass	5 to 150	24	DA-7031-153-7	3	DS-7231-153-7	5.25	DS-7331-153-7
Brass	10 to 200	24	DA-7031-153-8	4	DS-7231-153-8	6.75	DS-7331-153-8
Brass	10 to 300	37.5	DA-7031-153-9	5	DS-7231-153-9	9	DS-7331-153-9
403 stainless steel	30" Hg VAC to 60	18	DA-7021-153-25S	3.5	DS-7221-153-25S	5.25	DS-7321-153-25S
403 stainless steel	30" Hg VAC to 75	22.5	DA-7021-153-26S	3.5	DS-7221-153-26S	5.25	DS-7321-153-26S
403 stainless steel	2 to 60	13.5	DA-7021-153-5S	3	DS-7221-153-5S	4.5	DS-7321-153-5S
403 stainless steel	5 to 100	19.5	DA-7021-153-6S	3.5	DS-7221-153-6S	5.25	DS-7321-153-6S
403 stainless steel	10 to 200	22.5	DA-7021-153-8S	4	DS-7221-153-8S	7.125	DS-7321-153-8S
403 stainless steel	10 to 300	28.5	DA-7021-153-9S	6	DS-7221-153-9S	10.5	DS-7321-153-9S
403 stainless steel	40 to 350	30	DA-7021-153-9AS	6	DS-7221-153-9AS	10.5	DS-7321-153-9AS
403 stainless steel	25 to 600	67.5	DA-7021-153-10S	10	DS-7221-153-10S	18	DS-7321-153-10S
403 stainless steel	50 to 1000	142.5	DA-7021-153-11S	20	DS-7221-153-11S	33	DS-7321-153-11S
403 stainless steel	100 to 1500	195	DA-7021-153-12S	30	DS-7221-153-12S	52.5	DS-7321-153-12S
403 stainless steel	300 to 2500	390	DA-7021-153-13S	60	DS-7221-153-13S	90	DS-7321-153-13S
403 stainless steel	500 to 5000	1350	DA-7021-153-15S	200	DS-7221-153-15S	300	DS-7321-153-15S
403 stainless steel	800 to 8000	2250	DA-7021-153-16S	500	DS-7221-153-16S		
316 stainless steel	30" Hg VAC to 75	15	DA-7041-153-26E	3.5	DS-7241-153-26E	5.25	DS-7341-153-26E
316 stainless steel	5 to 75	12	DA-7041-153-23E	4	DS-7241-153-23E	6	DS-7341-153-23E
316 stainless steel	10 to 100	15	DA-7041-153-6E	3.5	DS-7241-153-6E	5.25	DS-7341-153-6E
316 stainless steel	10 to 150	16.5	DA-7041-153-24E	4	DS-7241-153-24E	6.75	DS-7341-153-24E
316 stainless steel	10 to 300	42	DA-7041-153-9E	8	DS-7241-153-9E	12	DS-7341-153-9E
316 stainless steel	30 to 400	78	DA-7041-153-21E	10	DS-7241-153-21E	18	DS-7341-153-21E
316 stainless steel	75 to 800	180	DA-7041-153-22E	25	DS-7241-153-22E	37.5	DS-7341-153-22E
316 stainless steel	100 to 1000	285	DA-7041-153-11E	35	DS-7241-153-11E	52.5	DS-7341-153-11E
316 stainless steel	200 to 2500	600	DA-7041-153-13E	75	DS-7241-153-13E	112.5	DS-7341-153-13E

MODEL CHART - D SERIES PRESSURE SWITCH WITH MERCURY SWITCH AND GENERAL PURPOSE ENCLOSURE

Bourdon Tube Material	Adjustable Operating Range (psig)	Adjustable Deadband			
		Minimum Deadband (psig)	SPDT 4 A @ 120 V, 2 A @ 240 V AC/DC	SPST Open on Increase 10 A @ 120 V, 5 A @ 240 V AC/DC	SPST Close on Increase 10 A @ 120 V, 5 A @ 240 V AC/DC
Brass	30" to 0 Hg VAC	2" Hg	DA-31-153-2	DA-31-2-2	DA-31-3-2
Brass	10" Hg VAC to 12	1	DA-31-153-3	DA-31-2-3	DA-31-3-3
Brass	25" Hg VAC to 50	3.5	DA-31-153-27	DA-31-2-27	DA-31-3-27
Brass	1/8 to 15	1	DA-31-153-1	DA-31-2-1	DA-31-3-1
Brass	1/8 to 20	1	DA-31-153-3A	DA-31-2-3A	DA-31-3-3A
Brass	1 to 35	1.75	DA-31-153-4	DA-31-2-4	DA-31-3-4
Brass	2 to 60	3	DA-31-153-5	DA-31-2-5	DA-31-3-5
Brass	5 to 100	3.75	DA-31-153-6	DA-31-2-6	DA-31-3-6
Brass	5 to 150	6	DA-31-153-7	DA-31-2-7	DA-31-3-7
Brass	10 to 200	8	DA-31-153-8	DA-31-2-8	DA-31-3-8
Brass	10 to 300	12	DA-31-153-9	DA-31-2-9	DA-31-3-9
403 stainless steel	30" Hg VAC to 60	6	DA-21-153-25S	DA-21-2-25S	DA-21-3-25S
403 stainless steel	30" Hg VAC to 75	8	DA-21-153-26S	DA-21-2-26S	DA-21-3-26S
403 stainless steel	2 to 60	4	DA-21-153-5S	DA-21-2-5S	DA-21-3-5S
403 stainless steel	5 to 100	6	DA-21-153-6S	DA-21-2-6S	DA-21-3-6S
403 stainless steel	10 to 200	8	DA-21-153-8S	DA-21-2-8S	DA-21-3-8S
403 stainless steel	10 to 300	14	DA-21-153-9S	DA-21-2-9S	DA-21-3-9S
403 stainless steel	40 to 350	14	DA-21-153-9AS	DA-21-2-9AS	DA-21-3-9AS
403 stainless steel	25 to 600	25	DA-21-153-10S	DA-21-2-10S	DA-21-3-10S
403 stainless steel	50 to 1000	60	DA-21-153-11S	DA-21-2-11S	DA-21-3-11S
403 stainless steel	100 to 1500	90	DA-21-153-12S	DA-21-2-12S	DA-21-3-12S
403 stainless steel	300 to 2500	150	DA-21-153-13S	DA-21-2-13S	DA-21-3-13S
403 stainless steel	500 to 5000	450	DA-21-153-15S	DA-21-2-15S	DA-21-3-15S
403 stainless steel	800 to 8000	750	DA-21-153-16S	DA-21-2-16S	DA-21-3-16S
316 stainless steel	30" Hg VAC to 75	7	DA-41-153-26E	DA-41-2-26E	DA-41-3-26E
316 stainless steel	5 to 75	3	DA-41-153-23E	DA-41-2-23E	DA-41-3-23E
316 stainless steel	10 to 100	7	DA-41-153-6E	DA-41-2-6E	DA-41-3-6E
316 stainless steel	10 to 150	6	DA-41-153-24E	DA-41-2-24E	DA-41-3-24E
316 stainless steel	10 to 300	18	DA-41-153-9E	DA-41-2-9E	DA-41-3-9E
316 stainless steel	30 to 400	30	DA-41-153-21E	DA-41-2-21E	DA-41-3-21E
316 stainless steel	75 to 800	75	DA-41-153-22E	DA-41-2-22E	DA-41-3-22E
316 stainless steel	100 to 1000	100	DA-41-153-11E	DA-41-2-11E	DA-41-3-11E
316 stainless steel	200 to 2500	210	DA-41-153-13E	DA-41-2-13E	DA-41-3-13E

OPTIONS

Weatherproof Enclosure - Series DAW
Note: To order, add "W" to model number after DA or DS, change 1 to 3.
Example: DAW-33-153-7

Explosion-Proof Enclosure - Series DAH
 Suitable for Class I, Groups C and D; NEMA 7; Class II, Groups E, F, G; Class III NEMA 9 and 9A, Division 1.
Note: To order, add "H" to model number after DA or DS. **Example:** DAH-31-153-7

FM Approved
 For general purpose and explosion-proof models see agency approvals.
Note: To order, add "F" to model number after DA, DS, DAH or DSH.
Examples: DAF-31-153-7 or DAHF-31-153-7

Other Options (Consult Factory)
 DPDT switches or other switch types, fixed deadband mercury switch units for low deadband applications, manual reset operation, two-stage operation, acetal bushed movement for applications with high amounts of vibration and/or pulsation, fungus proofing, siphon, diaphragm seals, mounting flange and remote connection.

USA: California Proposition 65
 ⚠️WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Single Pressure Switches