

Optional Features NS/NP Valves and Pressure and Temperature Switches



To specify all optional features on ASCO NS and NP series valves, as well as ASCO Pressure and Temperature Switches, ASCO uses a letter code designator. Various letter/letter combinations, as identified below, when used with the appropriate valve catalog model number, will specify an applicable option to be incorporated in the selected ASCO valve.

NS Valves

Standard NS valve model number samples	
NS8316A54	Standard NS Series valves are supplied with 18" long leads and watertight housing. The model number identifies individual valve specifications, i.e., pipe size, orifice, pressure ranges.
Optional feature NS valve model number	
Option Letters	Option Feature Description
NSEF831654	Explosionproof Housing (EF) - NS Series valve with an explosionproof and raintight housing (type 3, 7C, 7D, and 9).
NSL831654 or NSEFL831654	Longer Lead Length (L) - Valve supplied with either 6' (72"), 20' (240"), or 30' (360") long leads. (Customer must specify the optional lead length when ordering).
NSK831654 or NSEFK831654	Screw Terminal Coil (K) - Only available on valves with watertight solenoid housings or 35.1 watt rated DC voltage explosion proof valves.
NSX831654 10688 or NSEFX831654 10688	Special construction valves (X) - ASCO NS series valves can be supplied with a variety of options, including 1/2" NPT threaded conduit hubs (TPL 10688), blocked ports for two-way valve operation on direct acting valves, (TPL 13841), special DC voltages other than 125 or 250 VDC, (15273), etc. To facilitate these constructions ASCO denotes these options by adding an "X" in the valve model number. The customer must identify the special construction by description or ASCO "TPL" number. (Note: valves with an "X" will incorporate an "L" (longer leads) or "K" (screw terminals) option in the "X" model number if required in addition to the described "X" option).

NP Valves

Standard NP valve model number samples	
NP8316A54E or NP8300123EF	Standard NP Series valves are supplied with ethylene propylene elastomers and 18" long leads. The model number identifies individual valve specifications, i.e., pipe size, orifice, pressure ranges, solenoid housing types etc.
Optional feature NP valve model number	
Option Letter(s)	Option Feature Description
NPEF8300123EF	Explosionproof Housing (EF) - NS Series valve with an explosionproof and raintight housing (type 3, 7C, 7D, and 9).
NPL831654E	Longer Lead Length (L) - Valve supplied with either 6' (72"), 20' (240"), or 30' (360") long leads. (Customer must specify the optional lead length when ordering).
NP8316A54V	Viton Fluoroelastomer (V) - Supplied with Viton fluoroelastomer in place of ethylene propylene. (Housing gasket on watertight valve will always be ethylene propylene).
NPK8316A54E	Screw Terminal Coil (K) - Only available on valves with watertight solenoid housings or 35.1 watt rated DC voltage explosion proof valves.
NP8300/NPEF8300142ERF or NP8300/NPEF8300142RVF	Resilient Seats (R) - Available only on NP8300/NPEF8300 series valve with ethylene propylene or Viton fluoroelastomers. Resilient seats available with all options listed above.
NPX8316A54E 10688	Special construction valves (X) - ASCO NP series valves can be supplied with a variety of options, including 1/2" NPT threaded conduit hubs, (TPL 10688), blocked ports for two-way valve operation on direct acting valve, (TPL 13841), special DC voltages other than 125 or 250 VDC, (15273), etc. To facilitate these constructions ASCO denotes these options by adding an "X" in the valve model number. The customer must identify the special construction by description, by the ASCO serial number of a previously supplied valve, or ASCO "TPL" number found after the model number of the previously supplied ASCO valve. (Note: valves with an "X" will incorporate an "L" (longer leads) or "K" (screw terminals) option in the "X" model number if required in addition to the described "X" option).

Pressure and Temperature Switches

Standard Pressure/Temperature Switch model number samples	
SA11AR/TF10A42R	Standard ASCO pressure switch (SA11AR) identifies switch unit, and (TF10A32R) pressure transducer unit assembly. Model number denotes pressure ranges, deadband, etc.
SA11AR/QF10A4R	Standard ASCO temperature switch (SA11AR) identifies switch unit, and (QF10A4R) temperature transducer unit assembly. Model number denotes temperature ranges, deadband, etc.
Optional feature Pressure/Temperature Switch model number	
SA11AKR/TF10A42R or SA11AKR/QF10A4R	2 SPDT switches (K) - Pressure or temperature switches with two SPDT switches with a common lever (double-pole double-throw) in place of the standard single (SPDT) switch. <i>Note: Deadband must be increased by 50% when this option is utilized.</i> <i>Not available on two stage fixed deadband pressure or temperature switch units.</i>
SA11AMR/TF10A42R or SA11AMR/QF10A4R	Higher rated snap switch (M) - Pressure or temperature switches with higher rated snap switch, DC rated 10 Amp, 125 VAC/ VDC, 1/8 HP, 125 VAC/ VDC. <i>Note: Deadband must be increased by 100% when this option is utilized.</i>
SA11AKMR/TF10A42R or SA11AKMR/QF10A4R	2 SPDT higher rated snap switches (KM) - Pressure or temperature switches with SPDT switches with a common lever (double-pole double-throw) and two higher rated snap switches, DC rated 10 Amp, 125 VAC/VDC, 1/8 HP, 125 VAC/VDC. <i>Note: Deadband must be increased by 100% when this option is utilized.</i> <i>Not available on two stage fixed deadband pressure or temperature switch units.</i>
SA11AR/TF10A42BR or SA11AMR/TF10A42BR	1/2" NPT process connection (B) - Pressure switches with a 1/2" NPT process connection in place of the standard 1/4" NPT process connection. <i>Only available with pressure switch transducers having the prefix TD through TQ.</i>