

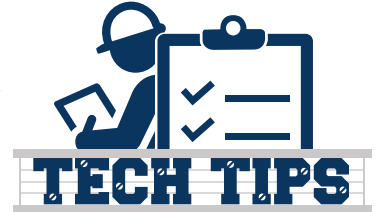


WE MAKE IT EASY™



## INTRODUCING THE NEW ADP FLEXCOIL

FlexCoil is ADP's A2L solution that works with both R-454B and R-32 refrigerants. ADP Multi-Position FlexCoils are an excellent option for those retrofit applications requiring an alternative indoor coil solution, as they can host multiple refrigerants. Mechanical metering device connections make Thermal Expansion Valve (TXV) and piston changes simple as well. Click this [link](#) for additional factory literature and information on the ADP FlexCoil.



### Topics:

- FlexCoil Options
- Metering Device Selection and Part Numbers
- Refrigerant Detection Systems
- Primary Joint Sleeves
- Warranty

Munch's Supply will stock FlexCoils with factory-installed fixed piston metering devices. The best practice is to use the piston size recommended by the outdoor unit manufacturer. The chart below will help you select the appropriate piston if the manufacturer's recommended size is not provided.

R-454B Pistons	46	176799946	10	18
	53	176799953	10	24
	59	176799959	10	30
	65	176799965	10	36
	70	176799970	10	42
	76	176799976	10	48
	84	176799984	10	60
R-32 Pistons	41	176799941	10	18
	46	176799946	10	24
	53	176799953	10	30
	57	176799957	10	36
	62	176799962	10	42
	65	176799965	10	48
	76	176799976	10	60

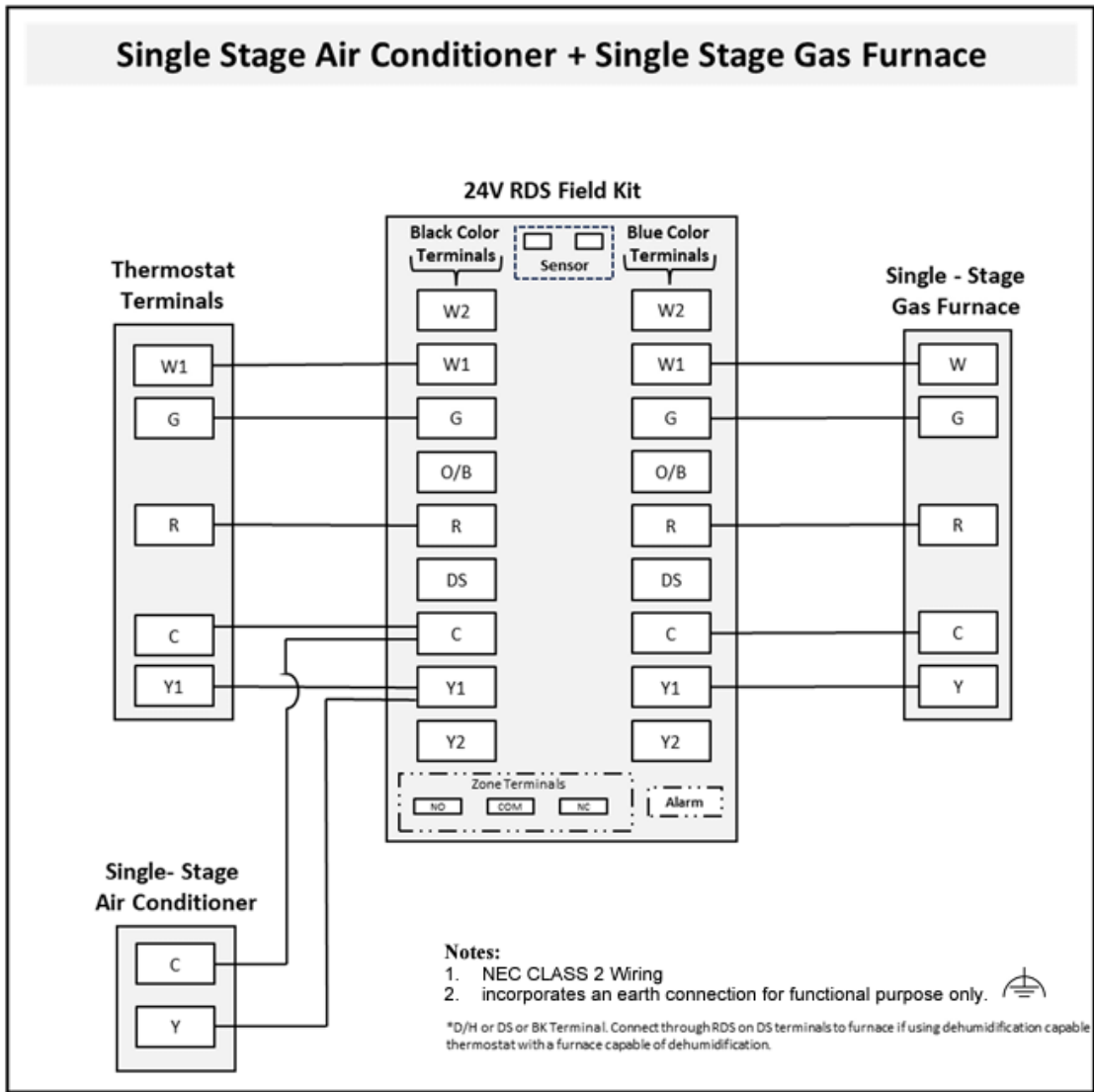
Additionally, ADP offers TXV kits. These kits provide more precise control of evaporator coil superheat and might even be a requirement to achieve AHRI-listed efficiencies on matched systems.

HP-A/C TXV R454B Kit (non-bleed) "A" designation in nomenclature	167757901A	1	18 - 36
	167757902A	1	42 - 60
HP-A/C TXV R32 Kit (non-bleed) "B" designation in nomenclature	167758801A	1	18 - 36
	167758802A	1	42 - 60

Most installations using A2L refrigerants will require the installation of a Refrigerant Detection System (RDS). When an application requires the use of an RDS, it will need to be ordered along with the FlexCoil.

RDS (part number 76701706) will include the detection board, sensor and connection cable.

RDS controls must be wired so that when a refrigerant leak is detected, the outdoor unit will not operate and the indoor blower will run at set cooling airflow. This action is intended to disperse the pooling refrigerant and mix it with air to dilute the refrigerant concentrate. See the example wiring diagram below. For more information on the installation and wiring of the RDS, please refer to this [link](#).



The ADP RDS kit includes primary lineset joint sleeves. If there is a leak at the primary field connections close to the coil cabinet, these primary lineset joint sleeves direct a refrigerant leak into the cabinet. These optional joint sleeve connections can be seen below. You can find additional information in the RDS kit installation instructions available [here](#).

1. Cut the sleeves after the notch based on line set diameter, see image below for location.
2. Pick the appropriate sleeve (Larger sleeve for the suction line) and insert it over the line set. Ensure that the grommet side with a groove on it goes towards the access panel and end with a clamp goes towards the outdoor unit.
3. Once inserted into the line set, move the sleeves away from the access panel and make the connection.  
If the connection is made by brazing, let the brazing joint cool down to ambient conditions.
4. Insulate the suction line with insulation tape, prior to sleeve installation, to prevent sweating. For heat pump applications, insulating tape must be rated to 250 °F.
5. Once the field connections are made, pull the sleeve towards the access panel and engage the groove on the grommet side with access panel. Tighten the clamp on the other end of the sleeve to ensure that an airtight seal is made.



## Warranty

ADP FlexCoils come with a standard five-year limited parts warranty, and an optional 10-year extended warranty available with registration. Click [here](#) to register new installations.

ADP's Multi-Position FlexCoil simplifies installation by providing a full line of coils certified for R-454B and R-32 A2L refrigerants, with options for RDS. FlexCoil provides mechanical metering device connections, making installing or changing pistons and TXVs easier. All of this makes FlexCoil an easy choice for many installations.

For questions, contact Munch's Supply's Technical Support Department at **(815) 215-5020**.