



## Air Preparation Quick Reference Guide



**WeAutomate**



## Corporate Overview

Proax Technologies is a leading national Technical Automation Distributor that offers innovative product solutions in the areas of: Automation & Robotics, Pneumatics, Industrial Controls, Mechanical Solutions, Motion Control & Machine Safety; creating close relationships with our valued customers, vendors and employees. Proax has an in house technical solution team that enables us to provide solutions dedicated to customer specific product or solution needs.

### Our solutions & product offerings



#### Automation & Robotics

Industrial Robots, Collaborative robots, mobile robots, control components, machine vision, HMI's, traceability and more!



#### Pneumatics

Actuators, air preparation equipment, directional control valves, sensors & switches, airline equipment connectors & more!



#### Industrial Controls

PLC's, controllers, enclosures, low voltage products, ethernet switches, networking, industrial components and more!



#### Mechanical Solutions

Machine bases, structures, extrusion frames, linear guideways, ball screws, custom solutions and more!



#### Motion Control

Drives, motion controllers, gear boxes, servo motors, conveyors, stepper motors, linear motion and more!



#### Machine Safety

Machine fencing & guarding, safety controllers, safety relays, safety switches, control devices, light curtains, and more!



**12**

**LOCATIONS**  
coast to coast



**4**

**DESIGN**  
and build shops



**6**

**PROOF OF  
CONCEPT**  
centers



**200+**

**EMPLOYEES**  
(and growing)



**12+**

**MILLION**  
inventory



**30+**

**INDUSTRIES**



**1962**

**IN MARKETPLACE**  
59+ years experience



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**Particulate filters, c/w auto drain, 5.0 micron:**

| Product        | Description                    | Flow rate At 100psi with pressure drop (CFM) |
|----------------|--------------------------------|----------------------------------------------|
| AF20-N01C-CZ-A | Filter 1/8" NPT c/w auto drain | 37                                           |
| AF20-N02C-CZ-A | Filter 1/4" NPT c/w auto drain | 37                                           |
| AF30-N03D-Z-A  | Filter 3/8" NPT c/w auto drain | 83                                           |
| AF40-N04D-Z-A  | Filter 1/2" NPT c/w auto drain | 102                                          |
| AF50-N06D-Z-A  | Filter 3/4" NPT c/w auto drain | 260                                          |
| AF60-N10D-Z-A  | Filter 1" NPT c/w auto drain   | 282                                          |

**Regulators:**

| Product        | Description                  | Max Flow rate (CFM) @ 100psi Inlet, 87psi set pressure |
|----------------|------------------------------|--------------------------------------------------------|
| AR20-N01EH-Z-B | Regulator 1/8" NPT, 7-125psi | 28                                                     |
| AR20-N02EH-Z-B | Regulator 1/4" NPT, 7-125psi | 28                                                     |
| AR30-N03EH-Z-B | Regulator 3/8" NPT, 7-125psi | 53                                                     |
| AR40-N04EH-Z-B | Regulator 1/2" NPT, 7-125psi | 106                                                    |
| AR50-N06E-Z-B  | Regulator 3/4" NPT, 7-125psi | 353                                                    |
| AR60-N10E-Z-B  | Regulator 1" NPT, 7-125psi   | 353                                                    |



## Lubricators

| Product        | Description         | Flow rate At 100psi with pressure drop (CFM) |
|----------------|---------------------|----------------------------------------------|
| AL20-N01-3CZ-A | Lubricator 1/8" NPT | 71                                           |
| AL20-N02-3CZ-A | Lubricator 1/4" NPT | 71                                           |
| AL30-N03-3Z-A  | Lubricator 3/8" NPT | 134                                          |
| AL40-N04-3Z-A  | Lubricator 1/2" NPT | 194                                          |
| AL50-N06-3Z-A  | Lubricator 3/4" NPT | 219                                          |
| AL60-N10-3Z-A  | Lubricator 1" NPT   | 265                                          |

## Particulate filter/regulator combos, 5.0 micron:

| Product          | Description                                                | Max Flow rate (CFM) @ 100psi Inlet, 87psi set pressure |
|------------------|------------------------------------------------------------|--------------------------------------------------------|
| AW20-N01CEH-CZ-B | Filter/regulator combo 1/8" NPT c/w auto drain, 7-101 psi  | 28                                                     |
| AW20-N02CEH-CZ-B | Filter/regulator combo 1/4" NPT c/w auto drain, 7-101 psi  | 28                                                     |
| AW30-N03DEH-Z-B  | Filter/regulator combo 3/8" NPT, c/w auto drain, 7-101 psi | 53                                                     |
| AW40-N04DEH-Z-B  | Filter/regulator combo 1/2" NPT, c/w auto drain 7-101 psi  | 106                                                    |
| AW40-N06DEH-Z-B  | Filter/regulator combo 3/4" NPT, c/w auto drain 7-101 psi  | 141                                                    |
| AW60-N10DE-Z-B   | Filter/regulator combo 1" NPT, c/w auto drain 7-125 psi    | 353                                                    |



**COMBOS: Filter (5.0 micron), regulator, lubricator (FRL):**

| Product          | Description                                                         | Max Flow rate (CFM) @ 100psi Inlet, 87psi set pressure |
|------------------|---------------------------------------------------------------------|--------------------------------------------------------|
| AC20-N01CE-3CZ-B | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 1/8" NPT | 18                                                     |
| AC20-N02CE-3CZ-B | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 1/4" NPT | 18                                                     |
| AC30-N03DE-3Z-B  | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 3/8" NPT | 71                                                     |
| AC40-N04D-3Z-B   | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 1/2" NPT | 142                                                    |
| AC50-N06D-3Z-B   | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 3/4" NPT | 178                                                    |
| AC60-N10D-3Z-B   | Filter, c/w auto drain, regulator, 7- 125 psi, lubricator, 1" NPT   | 210                                                    |

**Gauges:**

| Product         | Description                  |
|-----------------|------------------------------|
| K40-MP0.2-N01MS | Gauge CBM 1/8" NPT, 0-30psi  |
| K40-MP1.0-N01MS | Gauge CBM 1/8" NPT, 0-160psi |
| K50-MP1.0-N02MS | Gauge CBM 1/4" NPT, 0-160psi |



**Air/water separators:**  
Removes up to 99.9% of liquid water

| Product      | Description                                                                          | Flow rate At 100psi with pressure drop (CFM) |
|--------------|--------------------------------------------------------------------------------------|----------------------------------------------|
| AMG150C-N02D | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 1/4" NPT   | 10                                           |
| AMG250C-N03D | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 3/8" NPT   | 26                                           |
| AMG350C-N04D | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 1/2" NPT   | 53                                           |
| AMG450C-N06D | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 3/4" NPT   | 77                                           |
| AMG550C-N10D | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 1" NPT     | 123                                          |
| AMG650-N14D  | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 1-1/2" NPT | 212                                          |
| AMG850-N20D  | Air/water separator, c/w auto drain, removes up to 99.9% of liquid water, 2" NPT     | 424                                          |



**Mainline filters 3.0 micron:  
Removes Oil, Water, and Dirt.**

| Product       | Description                                                                       | Flow rate At 100psi with pressure drop (CFM) |
|---------------|-----------------------------------------------------------------------------------|----------------------------------------------|
| AFF2C-N02D-T  | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 1/4" NPT   | 10                                           |
| AFF4C-N03D-T  | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 3/8" NPT   | 26                                           |
| AFF8C-N04D-T  | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 1/2" NPT   | 53                                           |
| AFF11C-N06D-T | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 3/4" NPT   | 77                                           |
| AFF22C-N10D-T | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 1" NPT     | 123                                          |
| AFF37B-N14D-T | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 1-1/2" NPT | 212                                          |
| AFF75B-N20D-T | Mainline filter, c/w pre-filter and auto drain, 3.0 micron filtration, 2" NPT     | 424                                          |



**Air/oil separators 0.01 micron:**

| Product        | Description                                                                          | Flow rate At 100psi with pressure drop (CFM) |
|----------------|--------------------------------------------------------------------------------------|----------------------------------------------|
| AMH150C-N02D-T | Air/oil separator, 2 stage-filter and auto drain, 0.01 micron filtration, 1/4" NPT   | 7                                            |
| AMH250C-N03D-T | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 3/8" NPT   | 18                                           |
| AMH350C-N04D-T | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 1/2" NPT   | 35                                           |
| AMH450C-N06D-T | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 3/4" NPT   | 71                                           |
| AMH550C-N10D-T | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 1" NPT     | 141                                          |
| AMH650-N14D-T  | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 1-1/2" NPT | 212                                          |
| AMH850-N20D-T  | Air/oil separator, 2 stage filter and auto drain, 0.01 micron filtration, 2" NPT     | 424                                          |



**Paint Booth Filtration, air/water, air/oil, c/w regulator & bracket:  
Removes 100% of liquid water, oil mist to 0.001 ppm & particulate down to 0.01 micron**

**AMG + AMH + AR = AMPAINT**

| Product         | Description                                                                                                                | Flow rate At 100psi with pressure drop (CFM) |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| AMPAINT150C-N02 | Paint booth filtration, water remover, oil mist remover, regulator, c/w gauge and mounting bracket, & auto drain, 1/4" NPT | 7                                            |
| AMPAINT250C-N03 | Paint booth filtration, water remover, oil mist remover, regulator, c/w gauge and mounting bracket, & auto drain, 3/8" NPT | 18                                           |
| AMPAINT350C-N04 | Paint booth filtration, water remover, oil mist remover, regulator, c/w gauge and mounting bracket, & auto drain, 1/2" NPT | 35                                           |
| AMPAINT450C-N06 | Paint booth filtration, water remover, oil mist remover, regulator, c/w gauge and mounting bracket, & auto drain, 3/4" NPT | 71                                           |
| AMPAINT550C-N10 | Paint booth filtration, water remover, oil mist remover, regulator, c/w gauge and mounting bracket, & auto drain, 1" NPT   | 141                                          |



### IDFB Series Refrigerated Air Dryers, Pre-Filters & By-Pass Pipe Kits

|                                                                                        |                                                                   |                                                                                                  |                                                                  |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| (3 hp compressor)<br>IDFB3E-11N ( <b>10 SCFM</b> 115V)<br>AFF4C-N03C-T<br>IDF-BP302    | Refrigerated Air Dryer<br>Pre-filter 3/8" NPT<br>By-pass pipe kit | (50 hp compressor)<br>IDFB70-23N ( <b>166 SCFM</b> 220V/1PH)<br>AFF37B-N14D-T<br>IDF-BP318       | Refrigerated Air Dryer<br>Pre-filter 1½" NPT<br>By-pass pipe kit |
| (5 hp compressor)<br>IDFB4E-11N ( <b>15 SCFM</b> 115v)<br>AFF8C-N04C-T<br>IDF-BP303    | Refrigerated Air Dryer<br>Pre-filter 1/2" NPT<br>By-pass pipe kit | (60 hp compressor)<br>IDFB55E-30N-X224 ( <b>226 SCFM</b> 230V/3PH)<br>AFF75B-N20D-T<br>IDF-BP325 | Air Dryer<br>Pre-filter 2" NPT<br>By-pass pipe kit               |
| (7.5 hp compressor)<br>IDFB6E-11N ( <b>25 SCFM</b> 115v)<br>AFF11C-N06D-T<br>IDF-BP304 | Refrigerated Air Dryer<br>Pre-filter 3/4" NPT<br>By-pass pipe kit | (60 hp compressor)<br>IDFB55E-46N ( <b>226 SCFM</b> 460V/3PH)<br>AFF75B-N20D-T<br>IDF-BP325      | Air Dryer<br>Pre-filter 2" NPT<br>By-pass pipe kit               |
| (10 hp compressor)<br>IDFB8E-11N ( <b>41 SCFM</b> 115v)<br>AFF11C-N06D-T<br>IDF-BP304  | Refrigerated Air Dryer<br>Pre-filter 3/4" NPT<br>By-pass pipe kit | (75 hp compressor)<br>IDFB75E-30N-X224 ( <b>300 SCFM</b> 460V/3PH)<br>AFF75B-N20D-T<br>IDF-BP325 | Air Dryer<br>Pre-filter 2" NPT<br>By-pass pipe kit               |
| (15 hp compressor)<br>IDFB11E-11N ( <b>59 SCFM</b> 115v)<br>AFF11C-N06D-T<br>IDF-BP304 | Refrigerated Air Dryer<br>Pre-filter 3/4" NPT<br>By-pass pipe kit | (75 hp compressor)<br>IDFB75E-46N ( <b>300 SCFM</b> 460V/3PH)<br>AFF75B-N20D-T<br>IDF-BP325      | Air Dryer<br>Pre-filter 2" NPT<br>By-pass pipe kit               |
| (20 hp compressor)<br>IDFB15E-11N ( <b>71 SCFM</b> 115v)<br>AFF22C-N10D-T<br>IDF-BP316 | Refrigerated Air Dryer<br>Pre-filter 3/4" NPT<br>By-pass pipe kit |                                                                                                  |                                                                  |
| (30 hp compressor)<br>IDFB60-11N ( <b>113 SCFM</b> 115v)<br>AFF22C-N10D-T<br>IDF-BP317 | Refrigerated Air Dryer<br>Pre-filter 1" NPT<br>By-pass pipe kit   |                                                                                                  |                                                                  |