



ARO[®]

AIR SYSTEM FILTRATION

DETERMINING GAPS IN YOUR PLANT

FILTRATION PROBLEM SOLVER

Where are the issues in
my facility?



AIR SYSTEM FILTRATION PROBLEM SOLVER

Filtration Gaps in Your Plant's Air System

Unfiltered contaminants in your plant's air lines increase in volume up to 800% under normal air system pressures of 100 PSI, damaging air tools, pumps, and other equipment attached to your plant's air system. Installing the right filters in the right locations, as closely as possible to the point-of-use for each air tool or piece of equipment, helps you eliminate the high costs of unscheduled production downtime and cuts your plant service costs by extending the service life of air tools and equipment in your plant.

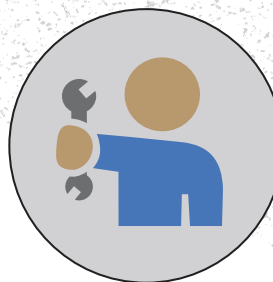


What can go wrong?

Contaminated air with moisture, particles, and oil—damages vanes, bearings, seals, and other internal surfaces of air tools and equipment, shortening service life and risking costly unscheduled downtime. In painting and coating applications, moisture, and particle contamination increases product scrap rates due to defects in surface finishes.



Parts Damage



Downtime



Increased Scrap

✗ Where filtration gaps occur:

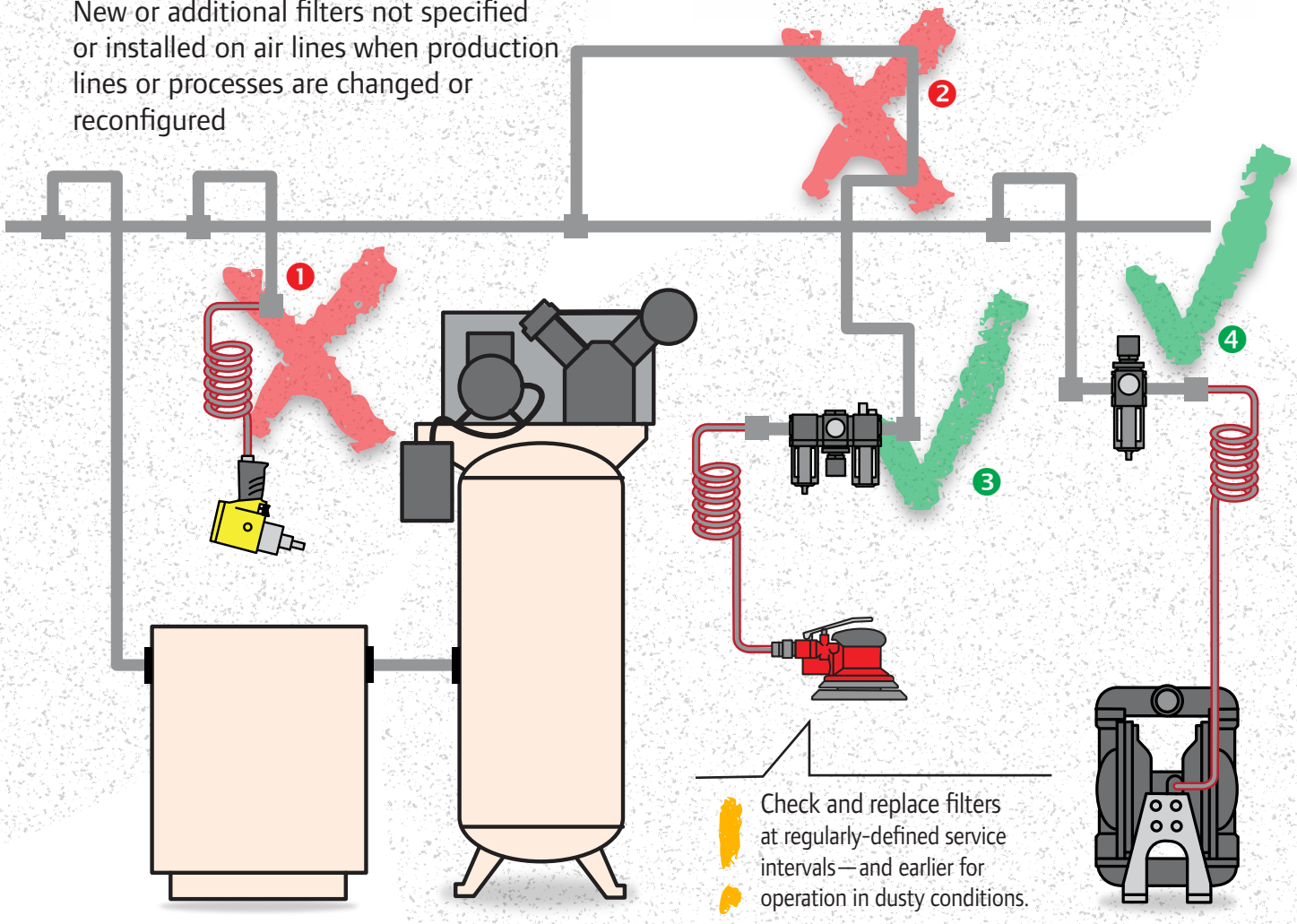
- 1 Point-of-Use:** Air filters not placed close enough to air tools and equipment where they are being used
- 2 Air Line Layout:** Extreme changes in air line elevations and excessive 90 degree turns increase moisture

New Equipment Installations: Air filters not specified or missing when new pumps or other air powered equipment, or new air tool workstations, are installed in the plant

Production Line and Process Changes: New or additional filters not specified or installed on air lines when production lines or processes are changed or reconfigured

✓ How to solve these common filtration gaps:

- 3 Install Filters at Every Point-Of-Use:** Specify and install air filters as closely as possible to where tools and equipment are used: No further than 6 feet from each manually operated air tool, and as closely as possible to each pump, cylinder, valve, and other
- 4 Use Piggyback Filter/Regulator Units:** Where Required for proper pressure regulation of air tools and equipment to ensure peak performance stationary air equipment



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