

# Dynamic Descaler®

## Air Compressors

A Reciprocating Compressor is normally a heavy-duty, continuous service compressor. Cylinder construction usually incorporates a water-jacketed cylinder and water-jacketed heads to remove some of the heat of compression and also to improve the lubrication and reduce carbonization of valve parts. Water jacketing around valve and packing is essential, since these are points of localized heating.

As time goes on, you will have lime, water scale and rust accumulation inside the water jackets, which, in time, will overheat the air compressor. This will also occur in the intercooler and aftercooler. With **Dynamic Descaler** you can clean these vital parts, without disassembling the cylinders, aftercooler, and the intercooler. Simply remove the water in/out connection from each part and circulate **Dynamic Descaler** for the recommended amount of time. After the circulation, flush with water and connect the water in/out connections back to the proper location.

If your compressor is running off a closed loop water system or a cooling tower, you may want to pour the **Dynamic Descaler** into one of these systems. This will eliminate the downtime in your plant operation versus disconnecting the in-out connections from each vital part. Before proceeding with these operations, please contact us so we can assist you.

For the proper amount of **Dynamic Descaler** and circulation times, please refer to the following chart:

Horsepower	Gallons-Hours of Circulation				
	Low-Pressure Cylinder	High-Pressure Cylinder	Intercooler	Aftercooler	Total
30	6-2	6-2	3-1	2-1	17-2
50	10-2	8-2	7-1	5-1	30-2
100	14-3	10-3	11-1	7-1	42-3
125	18-3	13-3	15-1	9-2	55-3
150	26-3	16-3	19-1	11-1	72-3
200	30-3	20-3	27-2	17-1	94-4
250	34-4	22-4	35-2	21-2	112-4
300	38-4	24-4	41-2	25-2	128-4
500	42-4	28-4	44-2	29-2	143-4
700	50-4	35-4	48-2	33-2	166-4
1000	62-5	47-5	60-3	45-3	214-5

**Example:** If a compressor is 50 H.P. and the low-pressure cylinder is to be cleaned. It would take ten (10) gallons of **Dynamic Descaler** and approximately two (2) hours to clean it. To clean the high-pressure cylinder you would need an additional eight (8) gallons of **Dynamic Descaler**. It would then take eighteen gallons of **Dynamic Descaler** and approximately two (2) hours to clean the high pressure and low-pressure cylinders.

For proper quantity and circulating times to run **Dynamic Descaler** through the cooling tower or closed loop water system to clean the compressor, (without shutting down plant operations), please contact Precision Dynamics Inc. (the exclusive manufacturer of **Dynamic Descaler**).

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