

# Cosmodyne celebrates 40 years as producer of cryogenic equipment

## FORTY YEARS AGO,

a small contractor in Southern California began producing cryogenic equipment for the growing industrial gas industry. Known as Cosmodyne, the company would eventually become a key supplier of cryogenic products for the commercial industrial gas and military industries.

In its early years, Cosmodyne concentrated on the manufacture of cryogenic products such as vaporizers, subcoolers, valves, and storage vessels. Within five years of its establishment, however, the company shifted its focus to air separation plants. Today, the company specializes in the production of this equipment for industrializing marketplaces.

Cosmodyne's first plants produced liquid oxygen and nitrogen for use at U.S. Marine expeditionary bases. Over the course of several years, the company produced 27 of these plants for the Marines.

As the benefits of this equipment became well-known, its uses spread. In the late 1960s, Cosmodyne supplied the U.S. Navy with air separation plants that could be used aboard aircraft carriers and sub tenders.



of this carefully controlled process.

We are one of the few companies in the industry with the capability to perform full cryogenic testing on site. By doing this, we can ensure the equipment works properly before the customer receives it. This, in turn, can minimize problems at the customer's site once the plant is shipped out."

Since then, Cosmodyne has become the leading supplier of separation plants for the United States Navy.

Cosmodyne's success during the past four decades can be attributed to the company's focus on quality. Each plant is designed using computer-aided design systems and manufactured using the latest welding, machining and fabricating equipment. In fact, Cosmodyne has the capability to test each newly constructed plant before being shipped to a customer.

"Because we control the building process from design to manufacture to testing to shipping, our products achieve the highest quality standards possible," said General Manager Dave Nunciato. "Cryogenic testing is a part

Currently, Cosmodyne supplies the commercial industrial gas market with its ASPEN Series oxygen, nitrogen and argon generating plants. These plants are used by the major industrial gas companies mostly to develop new markets. With their compact size, portability, rapid on-site installation, power efficiency and short delivery, these plants satisfy special needs and minimize risk.

Even as Cosmodyne celebrates its 40th anniversary, the company is moving forward with plans to keep it at the top for another four decades. One project already in the works is the expansion of the company's ASPEN product line later this year.

"Our objective is to continue providing our customers with the equipment and service they need to get the job done," said Nunciato.

"Cosmodyne will keep delivering the same high quality service that our customers expect from us."





COSMODYNE

## A proud history

**1958** Cosmodyne is incorporated.

**1959** Cosmodyne developed a line of cryogenic products including pumps, vaporizers, subcoolers, valves, and storage vessels for the military and commercial markets.

**1962** The company was selected by the U.S. Marine Corps to design and manufacture a transportable, low-pressure air separation plant to produce liquid oxygen and nitrogen for use at expeditionary bases throughout the world. Cosmodyne manufactured 27, 2.0 tpd plants for the Marine Corps, which were still in service and used in the Gulf War in 1992.

**1968** Cosmodyne was selected by the United States Navy to design and manufacture a low-pressure  $LO_2/LN_2$  air separation plant to be installed on aircraft carriers and subtenders. This is a continuing business and the company is the Navy's principal supplier of this equipment.

**1980** Cosmodyne was selected by the United States Army to design and manufacture a mobile, reverse osmosis, 150,000 gpd sea water desalting plant. Cosmodyne supplied over 20 systems that were used during the Gulf War.

**1986** Cosmodyne was selected by the U.S. Army to manufacture a 5.0 tpd, low-pressure  $LO_2/LN_2$  air separation plant to be installed in the Kwajalein Islands for anti-missile and star wars development activities. Since that time, the company has manufactured over 25, 5.0 and 6.0 tpd plants for military and commercial customers.

**1990 to present** Cosmodyne entered the commercial industrial gas market with its GF and ASPEN Series oxygen, nitrogen and argon generating plants. The ASPEN Series ranges from 300 to 2000  $Nm^3/hr$  or 12 to 75 tpd of liquid. The GF Series ranges from 4 to 6 tpd. The company has since delivered plants to every continent of the globe and has become a key supplier to most of the major industrial gas companies.