

# HYDRAULIC PROPORTIONAL SERVOVALVES AND ELECTRONICS





# ABOUT SELEC AG

Since 1969 a valuable partner for precise and dynamic hydraulic control tasks.

elec ag is a Swiss company based near Zurich.
Since 1969 we have been developing and manufacturing hydraulic proportional control valves, servovalves, customer-specific valves, amplifier and control electronics for all valves.

Valves made by Selec ag are used worldwide in industrial hydraulics, mobile hydraulics, hydraulic testing, hydraulic system and machine construction.

#### **VISION**

The success factors we offer as manufacturer of hydraulic proportional servovalves is well-known by all companies that see such a partnership.

Wherever precise and dynamic control is required, we are a valuable partner.

Selec develops and manufactures in Switzerland and sells its products worldwide; directly and via distributors and resellers

#### MISSION

We shall continue to develop innovative products that serve the niche markets of dynamic valves.

Our company profile will be further strengthened in the future with qualities such as individual customer care, short delivery times, fulfillment of customer-specific requirements.

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# OUR TOUR

Our business is the manufacture of proportional servovalves and electronics. But we are also a partner for associated services.

# 1 MANUFACTURE AND SALES



All individual parts are produced according to our drawings. We assemble in three stages.

- 1. Preassembly
- 2. Configuration-specific assembly tailored to the order
- 3. Final assembly, adjustment and testing on test rig

The entire production chain is carried out with an absolute minimum of interfaces.

This allows us to attain the lowest possible error quota with the highest possible quality.

# REPAIR AND MAINTENANCE



We also repair and maintain proportional and servovalves of other manufacturers. We work with test rigs, which provide comprehensive measurement options. This allows a meaningful interpretation.

That is an important precondition for

measurement options. This allows a developed?

meaningful interpretation.

That is an important precondition for selecting the work to be done.

We test your valves – why not test us!

developed?

No matter what. We a meet your requirement ask us with no obligation be a reliable partner.

# 3 DEVELOPMENT FOR CUSTOMERS



An existing valve shall be modified to your requirements?

A completely new valve for your required specification shall be developed?

No matter what. We are happy to meet your requirements.

Ask us with no obligation. We will

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#### PILOT-CONTROLLED SERVOVALVES



#### **S25**

plate NG6

1- 30 L/Min

AE-1 or AE-1D



#### **S100**

50-75 L/Min

Amplifier electronic:



#### **S120**

60-100 L/Min

AE-2 or AE-2D

Controller electronic:



#### **S120i**

60-100 L/Min

Controller electronic: integrated

#### PROPORTIONAL SERVOVALVES



#### D40 V

Direct drive proportional

1-40 L/Min

Amplifier electronic:



#### **D40**

Direct drive proportional

Attachement pattern:

1-40 L/Min

Controller electronic: integrated



Direct drive proportional

For hightemperature-

Attachement pattern:

**D40 T** 

1-40 L/Min

Controller electronic: AE-2 or AE-2D



#### D100

Direct drive proportional

Controller electronic: integrated

#### PILOTED PRESSURE SERVOVALVES



#### **S300**

Two or three stage

Attachement pattern:

100-300 L/Min

Systempressure:

Controller electronic: AE-2 or AE-2D



#### DS6

Pressure relief &

30 L/Min

Amplifier electronic:



#### **DS11**

Pressure relief & Attachement pattern:

100 L/Min

Amplifier electronic:

AE-1

Control of bipolar coil magnets by current For valves without spool



#### AE-2

AMPLIFIER & CONTROL ELECTRONICS





#### AE-1D

Control of bipolar coil magnets by current

For valves without spool



#### AE-2D

Control of proportional

dither signal,



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**PETER STAMM**Owner, Selec ag

## **INTERVIEW**

hy do your custom-

«We should at no time loose our capacity to focus on every single client individually. This is something that differs us from our competitors.»

ers choose Selec products?
The size of our company allows us to react quickly and flexibly to the wishes of our customers. High quality is very important to us. Each employee in our company

ers. High quality is very important to us. Each employee in our company shares our service philosophy. The customer notices this over the course of our cooperation and gives us feedback such as "uncomplicated", "cooperative" or "helpful".

#### What are your goals with Selec?

From a position of being a niche player we shall increase our turnover by > 20 % in the next two years through targeted growth. Provided the markets remain stable. The geographical focus is Germany, all of Europe, and the USA.

## How do you draw attention to your company?

That is one of our most current and pressing tasks. After having placed our main focus on developing new products in recent years, our goal now is to market these products strongly. In the future we shall invest increasingly in the most efficient channels.

## What news are there from Selec ag?

In the past years we have developed two product families:
The proportional servovalves and the digital electronics.
Our further enlarged infrastructure permits more capacities and we are able to grant additional services for

our custormers.

## Do you hope to achieve growth by these means?

It is the sum of all factors that determines success. These factors are in place. This makes us very optimistic with regard to future growth.

## What can we expect from Selec ag in the future?

We will continue to develop in the fields of enlarged digital electronics, hightemparature application, ex-proof application, high pressure application. Doing this, we will not loose track of our success factors such as customer focus and quality of our products. We should at no time loose our capacity to focus on every single client individually. This is something that differs us from our competitors.

# CUSTOMER TESTIMONIALS



**JOSEF SCHWENK**Management, Design,
Governor - Hydro Turbines

Voith Hydro Germany

What we appreciate most about Selec is the extremely short delivery time and the uncomplicated order processing thanks to a flexible and compact company structure and the willingness to develop valve versions tailored to our needs, even in small volumes. A valve developed for us increases safety in hydropower plants and no other valve manufacturer has been able to provide us with anything similar.

As well as the willingness to provide us with valves bearing our colours and company logo, we should also mention the quality and quick support. We are interested in the further development of Selec, particularly in terms of electrical control possibilities (bus) and other valve sizes.



DINESH DHADUTE

Director

**SERVOCONTROLS & Hydraulics** India

We are one of the few Indian companies which have the capability and expertise in closed loop electro hydraulic and mechanical systems. Our relation with Selec ag is almost 8 years and it is growing year by year. We are very satisfied with the professional understanding of our requirements and delivery of the high quality products on time at good price. We will definitely continue our association and use more products and promote Selec range of products in various critical applications.

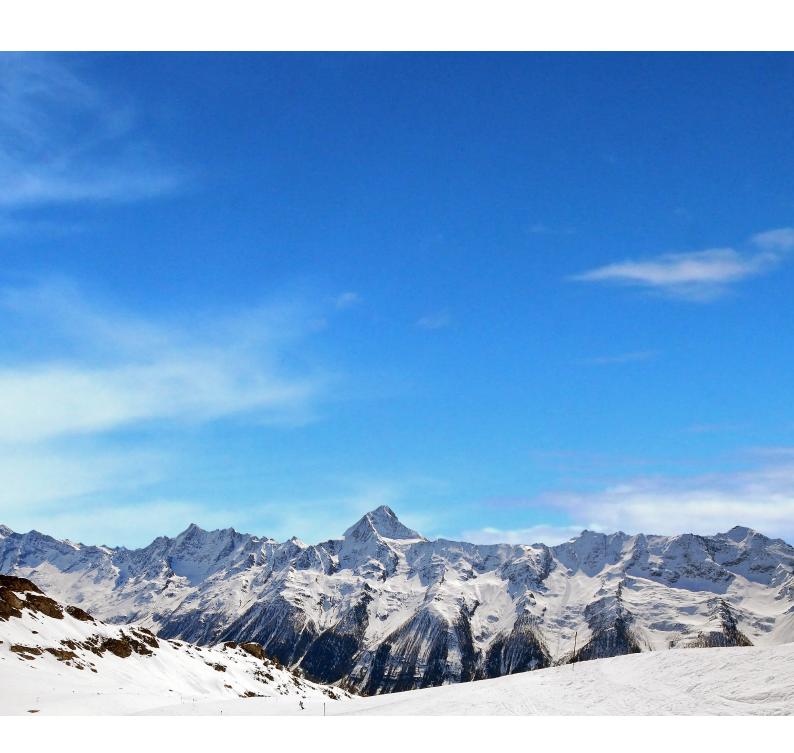
#### **TOM LACOMBE**

VP Sales & Marketing America

THE OILGEAR COMPANY USA

Oilgear has enjoyed a long relationship with Selec ag. We have been relying on Selec servo valves to provide high performance and cost effective solutions for over 25 years. Oilgear applies Selec servo valves in a wide variety of applications with excellent reliability. We plan to continue to use Selec valves on existing applications and look forward to expanding our application base in the future.

# CONTACT



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