

Introducing: The Next Generation SoloSeal™ Single-Piece “D” Seals

HydraForce introduced the **SoloSeal™** single-piece seal in 2019 to ensure superior sealing effectiveness with single seals and no backup rings. First-generation **SoloSeals™** were implemented with success on HydraForce 08-size and 10-size, two-way valves with a planned rollout to 3-way and 4-way valves.

In the process of developing the **SoloSeal™** for use on 3-way, 4-way, and 5-way valves, it was discovered that these applications presented more demanding sealing requirements.

HydraForce engineers sought to improve the **SoloSeal™** and developed the next generation of single-piece seals.

The Next Generation **SoloSeal™** seal has a “D” shape. The outside diameter of the seal has a single “hump” rather than dual ridges and the inside diameter has a concave rather than grooved surface.

The new “D” seal **SoloSeal™** will be usable for a greater variety of valve applications, including 3-way, 4-way and 5-way valve appli-



SoloSeal™
1st Generation



SoloSeal™
2nd Generation “D” Seal

cations as well as 08- size and 10-size two-way applications.

No retrofits for 08-size and 10-size two-way applications will be necessary. There will be no change in model code.

Valves ordered after April, 2022 will automatically be equipped with the Next Generation **SoloSeal™** D-ring seals.

For more information, contact your HydraForce representative.

SOLOSEAL	First Generation - 2019	Second Generation - 2021
Outside Diameter	Unique “ridged” profile with two points	“Humped” profile with one point
Inside Diameter	Grooved surface	Concave surface
Applications	08-size and 10-size, 2-way valves only	08-size, 10-size, 2-way, 3-way, 4-way and 5-way valve applications

For detailed information and specifications, visit www.hydraforce.com or contact your local HydraForce representative at www.hydraforce.com/distributors/world.htm

HYDRAFORCE INC

HYDRAFORCE HYDRAULICS LTD Advanced Manufacturing Hub

HYDRAFORCE HYDRAULICS SYSTEMS (CHANGZHOU) CO., LTD

HYDRAFORCE HYDRAULICS LTDA

500 Barclay Blvd.
Lincolnshire, IL 60069
Phone: +1 847 793 2300
Fax: +1 847 793 0086
Email: sales-us@hydraforce.com
Member: National Fluid Power Assoc.
ISO 9001

250 Aston Hall Road
Birmingham B6 7FE United Kingdom
Phone: +44 121 333 1800
Fax: +44 121 333 1810
Email: sales-uk@hydraforce.com
Member: British Fluid Power Association
and Verband Deutscher Maschinen-
und Anlagenbau e.V. (VDMA)
ISO 9001 & ISO 14001

388 W. Huanghe Road, Building 15A
GDH Changzhou Airport Indl Park
Xinbei District
Changzhou, China 213022
Phone: +86 519 6988 1200
Fax: +86 519 6988 1205
Email: Vincenz@hydraforce.com
ISO 9001

Av. Laurita Ortega Mari,
499 Taboao da Serra
São Paulo, 06766-360 Brazil
Phone: +55 (11) 4786-4555
Fax: +55 (11) 4786-2050
Central@hydraforce.com

Anatomy of the **SoloSeal™** Second Generation “D” seals

