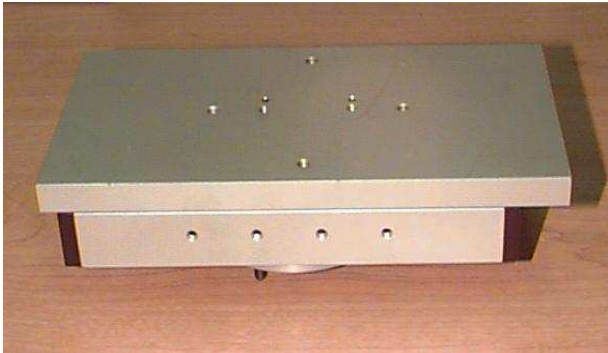


## CFD – 8/8.4 – CFD 40/70 – CFD 80/128 Data Sheet

### CFD – 8/8.4 (Compliant Force Device)



#### General Overview

The CFD-8/8.4 is an effective end of arm compliance device that can accommodate light weight deburring, knife trimming or surface finishing process equipment.

The CFD-8/8.4 can be oriented parallel or perpendicular to the manipulator-mounting flange, although it is important to note that the CFD can apply force only in the direction of the carriage translation.

#### Technical Specifications

Maximum Applied Force:	8.4 lbs (37.4 N)
Maximum Payload:	8 lbs (4 kg)
Weight:	8 lbs (4 kg)
Compliant Stroke:	1 in. (25.4 mm)
Temperature:	50° to 122°F (10° to 50°C)
Humidity:	5% to 95%, Non-Condensing
Supply Air:	Non-lubricated, Dry 5µm Filtered, 80 psi (5.5 bar) Max.

# CFD – 40/70

(Compliant Force Device)



## General Overview

The CFD-40/70 is an effective end of arm compliance device that can accommodate many different types of process equipment. MTS provides a variety of standard process equipment such as weld shavers, high-speed motors, and other specialized tooling.

The CFD-40/70 can be oriented parallel or perpendicular to the manipulator-mounting flange, although it is important to note that the CFD can apply force only in the direction of the carriage translation.

## Technical Specifications

Maximum Applied Force:	70 lbs (312 N)
Maximum Payload:	40 lbs (18 kg)
Weight:	10 lbs (5 kg)
Compliant Stroke:	1 in. (25.4 mm)
Temperature:	50° to 122°F (10° to 50°C)
Humidity:	5% to 95%, Non-Condensing
Supply Air:	Non-lubricated, Dry 5µm Filtered, 80 psi (5.5 bar) Max.

## **CFD – 80/128** (Compliant Force Device)



### **General Overview**

The CFD-80/128 can accommodate many different types of process equipment. MTS provides a variety of standard process equipment such as weld shavers, high-speed motors, and other specialized tooling.

The CFD-80/128 can be oriented parallel or perpendicular to the manipulator-mounting flange, although it is important to note that the CFD can apply force only in the direction of the carriage translation.

### **Technical Specifications**

Maximum Applied Force:	128 lbs (568 N)
Maximum Payload:	80 lbs (18 kg)
Weight:	33 lbs (15 kg)
Compliant Stroke:	2 in. (50.8 mm)
Temperature:	50° to 122°F (10° to 50°C)
Humidity:	5% to 95%, Non-Condensing
Supply Air:	Non-lubricated, Dry 5µm Filtered, 80 psi (5.5 bar) Max.