



# TECH BULLETIN

**094**  
03/04

*Published regarding engineering changes and improvements*

**SUBJECT: Modular Unloader Valve and Seat - 2DX, 3DX**

A slight change in tolerance has been made to the valve (models 2DX and 3DX) and the seat (model 3DX) in the Modular Unloader. This change has been implemented to provide better seating and more precise pressure regulation.

On the model 3DX, the old valve and seat must be **replaced as a set** for optimum performance.

These changes are effective with November 2003 production pumps.

Data Sheet Item No.	OLD PART NUMBER			NEW PART NUMBER			MODEL
	Part No.	MTL	Description	Part No.	MTL	Description	
418	545869	BB	Piston Assembly	548229	BB	Piston Assembly	2DX
418	—	—	—	548230	BB	Piston Assembly	3DX
435	46733	S	Valve	548193	S	Valve	2DX
435	46733	S	Valve	547969	S	Valve	3DX
436	547071	S	Seat	548075	S	Seat	3DX

Material Codes: BB=Brass S=304SS

The Repair Kit part number 31088 (model 2DX) and 30378 (model 3DX) will remain the active numbers and will contain the new parts. O-Ring Kit part number 33099 does not change and can be used on both 2DX and 3DX models.

**CAT PUMPS**  
Technical Services Department